Direction générale
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BIBLIOGRAPHIE SIGNALÉTIQUE

PRÉCIPITATIONS ACIDES

COMPILÉE PAR LUCIE BRUNELLE

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AVANT-PROPOS

Cette bibliographie a été préparée afin de répondre à deux objectifs: mettre à la disposition du public et de la communauté scientifique autant d'informations que possible sur le problème des précipitations acides et faciliter l'accès à un nombre toujours croissant de documents.

Par rapport à l'édition précédente, soit celle de juillet 1982, celle-ci comporte un ajout de quelque 200 références. Ces références bibliographiques sont classées selon sept (7) catégories subdivisées en plusieurs sous-catégories et les documents traitant de plusieurs aspects sont cités à l'intérieur de chacune des catégories concernées.

Comme elle a d'abord été conçue pour satisfaire les besoins des scientifiques de la Direction générale des eaux intérieures, la présente publication n'a pas la prétention d'être exhaustive. Nous tentons cependant de repérer et d'intégrer à notre documentation autant de références que possible et nous nous proposons de publier régulièrement une version revisée de la bibliographie.

Dans le but de garantir la disponibilité des documents, seule la consultation sur place est autorisée. Nous tenons enfin à remercier toutes les personnes de la Direction générale des eaux intérieures qui ont collaboré à la réalisation de ce document.

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FOREWORD

This bibliography has been prepared to serve two purposes: firstly, to make as much information as possible on the subject of acid precipitation available to the general public and the scientific community; secondly, to provide easier accessibility to an ever-increasing number of documents.

Compare to July 1982 edition, this revised version contains 200 new references as in the previous edition references have been divided into seven (7) sections which in turn are subdivided into various subsections. Documents concerned with multiple aspects will be refered into each of the relevant categories.

Especially designed to fulfil our requirements, this bibliography is by no means exhaustive. However we have attempted to integrate into our publication bank as many documents as possible and intend to publish a revised, updated version of this document on a regular basis.

To insure constant availability, all documents are only available for consultation on the premises. Finaly, we would like to acknowledge the collaboration of the Inland Waters Directorate personnel who contributed to making this publication possible.

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CHAPITRE I: ENVIRONNEMENT ATMOSPHERIQUE

1.1 Ouvrages de synthèse

Cote

585 BARRIE, L.A. 1981. Environment Canada's long range transport of atmospheric pollutants program: atmospheric studies. Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 26 p.

217 BROSSETT, C., K. ANDREASSON, M. FERM, 1975. The Nature and Possible Origin of Acid Particles Observed at the Swedish West Coast. Atmospheric Environment 9: p. 631-642.

95 DOCHINGER, L.S., J.G. CALVERT, 1977. Air pollution sources: General effects and trends. In: Proc. of the 32nd annual meeting, Soil Conservation Society of America, Aug. 7-10, 1977. Richmond. Virginia. p. 187-193.

153 DOVLAND, H., E. JORANGER, A. SEMB., 1976. Deposition of air pollutants in Norway. In: Impact of Acid Precipitation on Forest and Freshwater Ecosystems in Norway. Braekke, F. (Ed.). Research Report 6/76, p. 15-35.

285 ELIASSEN, A., 1980. A Review of Long-Range Transport Modeling. Journal of Applied Meteorology 19 (3): p. 231-240.

763 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 2, 1982. Sur les sciences et analyses atmosphériques. Rapport final, soumis conformément au Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière.

764 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 3B, 1982. Evaluation des techniques, coûts et émissions. Rapport final, soumis conformément au Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière. 446 p.

211 FORLAND, E.J., 1973. A Study of the Acidity in the Precipitation in Southwestern Norway. Tellus 25: p. 291-299.

673 GLASS, G.E., O.L. LOUCKS. 1980. Impact of airborne pollutants on wilderness areas along the Minnesota - Ontario border. Environmental Research Laboratory; Duluth, MN. U.S. Environmental Protection Agency. EPA-600/3-80-044. 186 p.

209 GORHAM, E., 1961. Factors Influencing Supply of Major Ions to Inland Waters, with Special Reference to the Atmosphere. Geological Society of America Bulletin 72: p. 795-840.

20 INRS-EAU. Exposé traitant des émissions de soufre et de l'acidité des précipitations: 19 p.

32 LACHANCE, M., B. BOBEE. Etude de la variabilité du pH des précipitations autour de Rouyn-Noranda, INRS-Eau, Rapport soumis au Bureau d'études des substances toxiques (BEST) des Services de protection de l'environnement du Québec (95): 74 p.

353 McBEAN, G.A., 1979. Acid Rain: Emissions, Atmospheric Transport, Transformation and Depositions. Environment Canada, Atmospheric Environment Service: 12 p.

324 MUNN, R.E., 1976. Atmospheric Transport and Diffusion on the Regional Scale. Proc. First Specialty Symposium on Atmospheric Contribution to the chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 1-20.

218 NORDO, J., A. ELAISSEN, J. SALTBONES, 1974. Large-Scale Transport of Air Pollutants. Advanced in Geophysics 18: p. 137-150.

328 OTTAR, B., 1976. Organization of Long Range Air Pollution Monitoring in Europe. Proc. First Specialty Symposium on Atmospheric Contribution to the chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 56-64.

385 PAULIN, Gaston, Ministère des Richesses naturelles, 1980. Détermination préliminaire des régions du Québec particulièrement touchées par les précipitations acides. Feuillet météorologique, 19(8): p. 125-141.

31 RASMUSSEN, Karen H., Mansoor TAHERI, Robert L. KABEL, 1975. Global Emission and Natural Processes for Removal of Gaseous Pollutants. Water, Air and Soil Pollution 4: p. 33-64.

321 SASSEVILLE, J.-L., M. LACHANCE, 1980. La qualité des eaux atmosphériques. Article soumis à la Revue Eau du Québec.

193 SLINN, W.G.N., 1977. Some Approximations for the Wet and Dry Removal of Particles and Gases from the Atmosphere. Water, Air and Soil Pollution 7: p. 513-543.

696 SWEDEN. SWEDISH MINISTRY OF AGRICULTURE, 1982. Acidification today and tomorrow. Study prepared for the 1982 Stockholm Conference. 231 p.

62 VERMEULEN, Arend J., Septembre 1978. Acid Precipitation in the Netherlands, Environmental Science & Technology, 12 (9): p. 1017-1021.

41 WILTSHIRE, J.F., SERVICE DE LA PROTECTION DE L'ENVIRONNEMENT, ENVIRONNEMENT CANADA, 1979. The Long Range Transport of Atmospheric Acids; A Sulphur Budget for Nova Scotia 1979. Surveillance Report EPS-5-AR-79-8: 114 p.

1.2 Emissions

595 BEAMISH, Richard J., and Harold H. HARVEY, 1972. Acidification of the La Cloche Mountain Lakes, Ontario, and Resulting Fish Mortalities. Journal Fisheries Research Board of Canada 29(8): p. 1131-1143.

259 BEAMISH, R.J., 1974. Loss of Fish Populations from Unexploited Remote Lakes in Ontario, Canada as a Consequence of Atmospheric Fallout of Acid. Water Research 8: p. 85-95.

596 BEAMISH, Richard J., 1976. Acidification of Lakes in Canada by Acid Precipitation and the Resulting Effects on Fishes. Water, Air, and Soil Pollution 6: p. 501-514.

217 BROSSETT, C., K. ANDREASSON, M. FERM, 1975. The Nature and Possible Origin of Acid Particles Observed at the Swedish West Coast. Atmospheric Environment 9: p. 631-642.

102 BROWN, D.J.A., K. SADLER, 1981. The chemistry and fishery status of acid lakes in Norway and their relationship to european sulphur emissions. Journal of Applied Ecology 18: p. 433-441.

204 CANADA. ENVIRONNEMENT CANADA, 1980. Lignes directrices s'appliquant à l'indice de la qualité de l'air à court terme. Rapport du Comité fédéral-provincial de la pollution de l'air: 15 p.

567 CHOQUETTE, P.J., 1980. Historical, Current, and Projected Emissions of Acid Rain Precursors in Eastern North America. An Overview. Air Pollution Control Directorate, Environment Canada. To: Acid Rain Panel Discussion, First Global Conference on the Future, Toronto, 21 July 1980: 10 p.

566 CHOQUETTE, P.J., 1980. Précipitations acides: Tendances et extrapolations des émissions des polluants précurseurs au Canada et aux Etats-Unis. Résumé détaillé. Direction générale de l'assainissement de l'air, Environnement Canada, Ottawa: 23 p. (version anglaise disponible).

568 CHOQUETTE, P.J., F. VENA, 1981. Emissions - Sources of Concern. An Overview. Air Pollution Control Directorate, Environment Canada. To: Québec-Ontario APCA Conference "Acid Deposition, Knows and Unknows - The Canadian Perspective". Montréal, Québec, April 7-8, 1981: 16 p.

468 COGBILL, C.V., G.E. LICKENS, 1974. Acid Precipitation in the North-eastern United States. Water Resources Research, 10(6): p. 1134-1137.

120 COWLING, E.B., L.S. DOCHINGER, 1979. Effects of Acid Rain on Crops and Trees American Society for Civil Engineers. ASCE preprint, NO. 3598: p. 21-54.

425 DILLON, P.J., N.D. YAN. W.A. SCHEIDER, N. CONROY, 1977. Acidic Lakes in Ontario: Characterization, Extent, and Responses to Base and Nutrient Additions. Ontario Ministry of the Environment: 39 p.

660 DURRAN, D.R., M.J. MELDGIN, M. LIU, 1979. A study of long range air pollution problems related to coal development in the northern great plains. Atmospheric Environment 13: p. 1021-1037.

503 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 3B, 1981. Evaluation des techniques, coûts et émissions. Rapport provisoire Etats-Unis - Canada, Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière: 189 p. (Version anglaise disponible).

763 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 2, 1982. Sur les sciences et analyses atmosphériques. Rapport final, soumis conformément au Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière.

142 FICKE, J.F., 1977. Air pollution: Impact on Water. Proc. of the 32nd annual meeting, Soil Conservation Society of America. Aug. 7-10, 1977. p. 208-211.

481 FLEMING, R.A., 1979. Acid Precipitation: An Emission Perspective. CTS-07165-1, Environmental Protection Department, Central Thermal Services: 8 p.

211 FORLAND, E.J., 1973. A Study of the Acidity in the Precipitation in Southwestern Norway. Tellus 25: p. 291-299.

299 GETHER, J., G. LUNDE, J. MARKALI, 1976. Particulate material in atmospheric fallout and precipitation over the south of Norway. SNSF-Project, Rapport 7/76, Oslo: 15 p.

177 GORHAM, E., A.G. GORDON, 1963. Some Effects of Smelter Pollution upon Aquatic Vegetation near Sudbury, Ontario. Canadian Journal of Botany 41: p. 371-378.

404 GORHAM, E., 1967. Some Chemical Aspects of Wetland Ecology. Nat. Res. Council Canada, Assoc. Comm. on Geotech. Res., Tech. Memo no 90: p. 20-38.

594 GORHAM, Eville, 1976. Acid Precipitation and its Influence Upon Aquatic Ecosystems - An Overview. Water, Air, and Soil Pollution 6: p. 457-481.

463 HESSLEIN, Raymond H., 1979. Lake Acidification Potential in the Alberta Oil Sands Environmental Research Program Study Area. Alberta Oil Sands Environmental Research Program: 26 p.

580 HUTCHINSON, T.C., 1981. The ecological consequences of acid discharges from industrial smelters. Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 13 p.

355 INCO LIMITED, 1980. The Containment of Sulphur Dioxide Emissions at Inco's Sudbury Operations: 9 p.

20 INRS-EAU. Exposé traitant des émissions de soufre et de l'acidité des précipitations: 19 p.

229 INTERAGENCY ENERGY/Environment Research and Development Program, 1979. Sulfur Oxides Control in Japan, EPA-600/9-79-043.

287 IVERACH, D., 1978. A Technique for Estimating the Relative Impact of Mobile and Stationary Sources on No_2 Concentrations. Journal of the Air Pollution Control Association 28 (8): p. 800-802.

551 JEFFRIES, D.S., W.R. SNYDER, 1981. Atmospheric Deposition of Heavy Metals in Central Ontario. Water, Air and Soil Pollution 15: p. 127-152.

418 LACHANCE, M., B. BOBEE, 1980. Impact des sources de SO_2 sur l'acidification des précipitations et étude régionale de l'influence des émissions de la fonderie de Noranda. Water Pollution Research in Canada (accepté pour publication): 28 p.

32 LACHANCE, M., B. BOBEE. Etude de la variabilité du pH des précipitations autour de Rouyn-Noranda, INRS-Eau, Rapport soumis au Bureau d'études des substances toxiques (BEST) des Services de protection de l'environnement du Québec (95): 74 p.

87 LEDBETTER, Joe O., 1972. Variation of Pollutant Concentration with Sampling Time. Environmental Letters 3 (3): p. 159-169.

118 MADSEN, B.C., 1981. Acid Rain at Kennedy Space Center, Florida: Recent Observations. Atmospheric Environment 15(5): p. 853-862.

600 MOSS, Michael R., 1975. Spatial Patterns of Precipitation Reaction. Environ. Pollution 8: p. 301-315.

282 MUNN, R.E., H. RODHE, 1971. On the meteorological interpretation of the chemical composition of monthly precipitation samples. Tellus 23 (1): p. 1-13.

593 NISBET, Ian, 1975. Sulfates and Acidity in precipitation: Their Relationship to Emissions and Regional Transport of Sulfur Oxides. In: Air Quality and Stationary source Emission Control, ch. 7, Committee on Public Works, U.S. Senate Serv. (94-4): p. 276-312.

218 NORDO, J., A. ELAISSEN, J. SALTBONES, 1974. Large-Scale Transport of Air Pollutants. Advanced in Geophysics 18: p. 137-150.

510 NORDO, J., 1976. Long Range Transport of Air Pollutants in Europe and Acid Precipitation in Norway. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 87-103.

197 NYBORG, M., J. CREPIN, D. HOCKING, J. BAKER, 1977. Effect of Sulphur Dioxide on Precipitation and on the Sulphur Content and Acidity of Soils in Alberta, Canada. Water, Air and Soil Pollution 7: p. 439-448.

592 ODEN, Svante, 1976. The acidity Problem -An Outline of Concepts. Water, Air, and Soil Pollution 6: p. 137-166.

475 OGDEN, J.G., 1980. Water Chemistry Changes in Halifax County, Nova Scotia Lakes, Department of Biology, Dalhousie University. Draft: 8 p. + tableaux + fig.

24 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1978. An Analysis of the Sudbury Environmental Study Network Precipitation Acidity Data June-September, 1978, Rapport: 146 p.

25 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1978. Acid Particulate and Particle Sizing Sampling at INCO Superstack, June 1977. Rapport no ARB-TDA53-78: 87 p.

26 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1978. Air Quality Assessment Studies in the Sudbury Area, Volume 1, Ambient Air Quality, 1976-1977. Rapport 1: 104 p.

7 PERSSON, Goran A., 1976. Control of Sulfur Dioxide Emissions in Europe. Ambio 5 (5-6): p. 249-252.

31 RASMUSSEN, Karen H., Mansoor TAHERI, Robert L. KABEL, 1975. Global Emission and Natural Processes for Removal of Gaseous Pollutants. Water, Air and Soil Pollution 4: p. 33-64.

689 ROBINSON, J.W., H. GHANE, 1982. Occurrence of acid rain in Baton Rouge, Louisiana, Summer 1981. The role of the catalytic converter. J. Environ. Sci. Health A17(1): p. 129-136.

541 SCHEIDER, W.A., D.S. JEFFRIES, P.J. DILLON, 1980. Bulk Deposition in the Sudbury and Muskoka - Haliburton Areas of Ontario during the Shutdown of Inco ltd in Sudbury. Ontario Ministry of Environment, Limnology and Toxicity Section, Rexdale Ont.: 18 p.

291 SEMB, A., 1978. Deposition of trace elements from the atmosphere in Norway. SNSF-Project, Rapport FR-13/78, Oslo: 28 p.

376 STENSLAND, G.J., 1980. Precipitation Chemistry Trends in the Northeastern United States, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 87-108.

601 SUMMERS, P.W., D.W. WHELPDALE, 1976. Acid Precipitation in Canada. Water, Air and Soil Pollution 6: p. 447-455.

392 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, 1979. Sulfur Emission: Control technology and waste management. EPA-600/ 9-79-019: 32 p.

381 VAN LOON, J.C., R.J. BEAMISH, 1977. Heavy-Metal Contamination by Atmospheric Fallout of Several Flin Flon Area Lakes and the Relation to Fish Populations. J. Fish. Res. Board Can. 34(7): p. 899-906.

378 VERMEULEN, A.J., 1980. The Acidic precipitation phenomenon. A Study of this phenomenon and of a relationship between the acid content of precipitation and the emission of sulfur dioxide and nitrogen oxides in the netherlands, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 7-60.

362 WHELPDALE, D.M., A.W. Mac AFEE, 1979. Un bilan du soufre contenu dans l'atmosphère de l'Est canadien. Conférence sur les contaminants dans l'environnement, Québec, 14-15 mai.

745 WILLIAMS, D.J., J.N. CARRAS, J.W. MILNE, 1981. The oxidation and long-range transport of sulphur dioxide in a remote region. Atmospheric Environment 15(10-11): p. 2255-2262.

41 WILTSHIRE, J.F., SERVICE DE LA PROTECTION DE L'ENVIRONNEMENT, ENVIRONNEMENT CANADA, 1979. The Long Range Transport of Atmospheric Acids; A Sulphur Budget for Nova Scotia 1979. Surveillance Report EPS-5-AR-79-8: 114 p.

1.3 Transport

713 AGNEW, T.A., E. WILSON, L.A. BARRIE, J.D. REID, D. FAULKNER, 1982. Estimation of long term acidic deposition over snow and snowmelt shock potential. In: Comptes rendus du symposium canadien d'hydrologie 1982. Procédés hydrologiques des régions boisées, Fredericton, 14-15 juin 1982, p. 597-614.

198 BAKER, J., D. HOCKING, M. NYBORG, 1977. Acidity of Open and Intercepted Precipitation in Forests and Effects on Forest Soils in Alberta, Canada. Water, Air and Soil Pollution 7: 449-460.

534 BEAMISH, R.J., G.A. McFARLANE, J.C. VAN LOON, J. LICHWA, 1975. An Examination of the possible effects of Sudbury nickel mining and smelting operations on fishes and the Water Chemistry of lakes within the whitefish lake indian reserve. Environnement Canada, Service des Pêches et des Sciences de la mer. Rapport technique no. 579: 52 p.

596 BEAMISH, Richard J., 1976. Acidification of Lakes in Canada by Acid Precipitation and the Resulting Effects on Fishes. Water, Air, and Soil Pollution 6: p. 501-514.

217 BROSSETT, C., K. ANDREASSON, M. FERM, 1975. The Nature and Possible Origin of Acid Particles Observed at the Swedish West Coast. Atmospheric Environment 9: p. 631-642.

567 CHOQUETTE, P.J., 1980. Historical, Current, and Projected Emissions of Acid Rain Precursors in Eastern North America. An Overview. Air Pollution Control Directorate, Environment Canada. To: Acid Rain Panel Discussion, First Global Conference on the Future, Toronto, 21 July 1980: 10 p.

566 CHOQUETTE, P.J., 1980. Précipitations acides: Tendances et extrapolations des émissions des polluants précurseurs au Canada et aux Etats-Unis. Résumé détaillé. Direction générale de l'assainissement de l'air, Environnement Canada, Ottawa: 23 p. (version anglaise disponible).

280 CHUNG, Y.S., 1977. The Distribution of Atmospheric Sulphates in Canada and its Relationship to Long-Range Transport of Air Pollutants. Environnement atmosphérique, Rapport ARQT-1-77, Downsview, Ontario: 19 p.

219 CONROY, N., K. HAWLEY, W. KELLER, C. LAFRANCE, 1976. Influences of the Atmosphere on Lakes in the Sudbury Area. Journal of Great Lakes Research 2: p. 146-165.

579 DE BARY, E., C. JUNGE, 1963. Distribution of Sulfur and Chlorine over Europe. Tellus 15(4): p. 370-381.

635 DESAUTELS, Gilles, 1981. Trajectoire des parcelles d'air qui ont atteint le Québec en 1978. Environnement Canada, Service de l'environnement atmosphérique, région du Québec: 28 p.

660 DURRAN, D.R., M.J. MELDGIN, M. LIU, 1979. A study of long range air pollution problems related to coal development in the northern great plains. Atmospheric Environment 13: p. 1021-1037.

439 ELGMORK, K., A. HAGEN, A. LANGELAND, 1973. Polluted snow in southern Norway during the winter 1968-1971. Environmental pollution, 4: p. 41-52.

502 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 2, 1981. Modélisation de l'atmosphère. Rapport provisoire États-Unis - Canada, Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière: 170 p. (Version anglaise disponible).

763 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 2, 1982. Sur les sciences et analyses atmosphériques. Rapport final, soumis conformément au Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière.

211 FORLAND, E.J., 1973. A Study of the Acidity in the Precipitation in Southwestern Norway. Tellus 25: p. 291-299.

261 FORLAND, E.J., Y.T. GJESSING, 1975. Snow Contamination from Washout/ Rainout and Dry Deposition. Atmospheric Environment 9: p. 339-352.

299 GETHER, J., G. LUNDE, J. MARKALI, 1976. Particulate material in atmospheric fallout and precipitation over the south of Norway. SNSF-Project, Rapport 7/76, Oslo: 15 p.

404 GORHAM, E., 1967. Some Chemical Aspects of Wetland Ecology. Nat. Res. Council Canada, Assoc. Comm. on Geotech. Res., Tech. Memo no 90: p. 20-38.

594 GORHAM, Eville, 1976. Acid Precipitation and its Influence Upon Aquatic Ecosystems - An Overview. Water, Air, and Soil Pollution 6: p. 457-481.

99 HECK, W.W., A.S. HEAGLE, E.B. COWLING, 1977. Air pollution: Impact on plants. Proc. of the 32nd Annual meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 193-203.

117 HENNING, Rodhe, 1970. On the Residence time of Antropogenic sulfur in Atmosphere. Tellus 22(1): p. 137-139.

20 INRS-EAU. Exposé traitant des émissions de soufre et de l'acidité des précipitations: 19 p.

251 JACOBSON, J.S., L.I. HELLER, P. VAN LEUKEN, 1976. Acidic precipitation at a site within the northeastern conurbation. Water, Air and Soil Pollution 6 (2/3/4): p. 339-349.

551 JEFFRIES, D.S., W.R. SNYDER, 1981. Atmospheric Deposition of Heavy Metals in Central Ontario. Water, Air and Soil Pollution 15: p. 127-152.

686 KELLY, T.J., D.H. STEDMAN, 1980. Effect of urban sources on acid precipitation in the Western United States. Science 210: p. 1043.

50 KURTZ, J., W. A. SCHEIDER, 1980. Acidic Precipitation in south-central Ontario: Analysis of Source Regions Using Air Parcel Trajectories. Ontario Ministry of the Environment: 20 p.

418 LACHANCE, M., B. BOBEE, 1980. Impact des sources de SO_2 sur l'acidification des précipitations et étude régionale de l'influence des émissions de la fonderie de Noranda. Water Pollution Research in Canada (accepté pour publication): 28 p.

600 MOSS, Michael R., 1975. Spatial Patterns of Precipitation Reaction. Environ. Pollution 8: p. 301-315.

593 NISBET, Ian, 1975. Sulfates and Acidity in precipitation: Their Relationship to Emissions and Regional Transport of Sulfur Oxides. In: Air Quality and Stationary source Emission Control, ch. 7, Committee on Public Works, U.S. Senate Serv. (94-4): p. 276-312.

218 NORDO, J., A. ELAISSEN, J. SALTBONES, 1974. Large-Scale Transport of Air Pollutants. Advanced in Geophysics 18: p. 137-150.

510 NORDO, J., 1976. Long Range Transport of Air Pollutants in Europe and Acid Precipitation in Norway. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 87-103.

592 ODEN, Svante, 1976. The acidity Problem -An Outline of Concepts. Water, Air, and Soil Pollution 6: p. 137-166.

31 RASMUSSEN, Karen H., Mansoor TAHERI, Robert L. KABEL, 1975. Global Emission and Natural Processes for Removal of Gaseous Pollutants. Water, Air and Soil Pollution 4: p. 33-64.

489 SINGH, B., 1981. L'occurrence et la variation dans le temps de la pluie acide, Baie James, Nouveau-Québec. Feuillet météorologique 20(1): p. 7-20.

376 STENSLAND, G.J., 1980. Precipitation Chemistry Trends in the Northeastern United States, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 87-108.

601 SUMMERS, P.W., D.W. WHELPDALE, 1976. Acid Precipitation in Canada. Water, Air and Soil Pollution 6: p. 447-455.

342 TALBOT, L., 1980. Observations récentes de la qualité des précipitations au Québec. Environnement-Québec, Bureau d'étude sur les substances toxiques: 87 p.

736 TROUTMAN, D.E., N.E. PETERS, 1982. Deposition and transport of heavy metals in three lake basins affected by acid precipitation in the Adirondack mountains, New York. In: Energy and Environmental Chemistry, Acid Rain, Volume two, L.H. Keith (ed), Ann Arbor Science, Michigan, p. 33-89.

381 VAN LOON, J.C., R.J. BEAMISH, 1977. Heavy-Metal Contamination by Atmospheric Fallout of Several Flin Flon Area Lakes and the Relation to Fish Populations. J. Fish. Res. Board Can. 34(7): p. 899-906.

284 WEISS, R.E., A.P. WAGGONER, R.J. CHARLSON, N.C. AHLQUIST, 1977. Sulfate Aerosol: Its Geographical Extent in the Midwestern and Southern United States. Science 195: p. 979-981.

362 WHELPDALE, D.M., A.W. Mac AFEE, 1979. Un bilan du soufre contenu dans l'atmosphère de l'Est canadien. Conférence sur les contaminants dans l'environnement, Québec, 14-15 mai.

745 WILLIAMS, D.J., J.N. CARRAS, J.W. MILNE, 1981. The oxidation and long-range transport of sulphur dioxide in a remote region. Atmospheric Environment 15(10-11): p. 2255-2262.

41 WILTSHIRE, J.F., SERVICE DE LA PROTECTION DE L'ENVIRONNEMENT, ENVIRONNEMENT CANADA, 1979. The Long Range Transport of Atmospheric Acids; A Sulphur Budget for Nova Scotia 1979. Surveillance Report EPS-5-AR-79-8: 114 p.

294 WRIGHT, R.F., H. DOVLAND, 1977. Regional surveys of the chemistry of the snowpack in Norway late Winter 1973, 1974, 1975 and 1976. SNSF-Project, Rapport FR 12/77, Oslo: 29 p.

1.4 Transformations

671 BOLIN, B., L. GRANAT. 1973. Local fallout and long-distance transport of sulfur. Ambio 2: p. 87-90.

319 CHANG, S.G., R. TOOSSI, T. NOVAKOV, 1981. The importance of soot particles and nitrous acid in oxidizing SO_2 in atmospheric aqueous droplets. Atmospheric Environment 15(7): p. 1287-1292.

126 DURHAM, J.L., J.H. OVERTON, JR, V.P. ANEJA, 1981. Influence of Gaseous Nitric Acid on Sulfate Production and Acidity in Rain. Atmospheric Environment 15(6): p. 1059-1068.

763 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 2, 1982. Sur les sciences et analyses atmosphériques. Rapport final, soumis conformément au Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière.

594 GORHAM, Eville, 1976. Acid Precipitation and its Influence Upon Aquatic Ecosystems - An Overview. Water, Air, and Soil Pollution 6: p. 457-481.

276 HENDRY, C.D., P.L. BREZONIK, 1980. Chemistry of Precipitation at Gainesville, Florida. Environmental Science and Technology 14 (7): p. 843-849.

20 INRS-EAU. Exposé traitant des émissions de soufre et de l'acidité des précipitations: 19 p.

32 LACHANCE, M., B. BOBEE. Etude de la variabilité du pH des précipitations autour de Rouyn-Noranda, INRS-Eau, Rapport soumis au Bureau d'études des substances toxiques (BEST) des Services de protection de l'environnement du Québec (95): 74 p.

672 MARTINEZ, R.I., J.T. HERRON, 1981. Gas-phase reaction of SO_2 with a criegee intermediate in the presence of water vapor. Journal of Environmental Science and Health, part A 16(6): p. 623-636.

121 McLEAN, R.A.N., 1981. The relative contributions of sulfuric and nitric acids in acid rain to the acidification of the ecosystem. (Implications for Control Strategies). Domtar Research Centre. Senneville, Québec. 9 p.

600 MOSS, Michael R., 1975. Spatial Patterns of Precipitation Reaction. Environ. Pollution 8: p. 301-315.

218 NORDO, J., A. ELAISSEN, J. SALTBONES, 1974. Large-Scale Transport of Air Pollutants. Advanced in Geophysics 18: p. 137-150.

592 ODEN, Svante, 1976. The acidity Problem -An Outline of Concepts. Water, Air, and Soil Pollution 6: p. 137-166.

31 RASMUSSEN, Karen H., Mansoor TAHERI, Robert L. KABEL, 1975. Global Emission and Natural Processes for Removal of Gaseous Pollutants. Water, Air and Soil Pollution 4: p. 33-64.

689 ROBINSON, J.W., H. GHANE, 1982. Occurrence of acid rain in Baton Rouge, Louisiana, Summer 1981. The role of the catalytic converter. J. Environ. Sci. Health A17(1): p. 129-136.

745 WILLIAMS, D.J., J.N. CARRAS, J.W. MILNE, 1981. The oxidation and long-range transport of sulphur dioxide in a remote region. Atmospheric Environment 15(10-11): p. 2255-2262.

1.5 Précipitations et dépôts

298 ABRAHAMSEN, G., K. BJOR, O. TEIGEN, 1976. Field experiments with simulated acid rain in forest ecosystems. SNSF-Project, Rapport 4/76, Oslo: 15 p.

713 AGNEW, T.A., E. WILSON, L.A. BARRIE, J.D. REID, D. FAULKNER, 1982. Estimation of long term acidic deposition over snow and snowmelt shock potential. In: Comptes rendus du symposium canadien d'hydrologie 1982. Procédés hydrologiques des régions boisées, Fredericton, 14-15 juin 1982, p. 597-614.

643 AKIELASZEK, J.J., T.A. HAINES, 1981. Mercury in the muscle tissue of fish from three northern Maine lakes. Bulletin of Environmental Contamination and Toxicology, 27(2): p. 201-108.

602 ANLAUF, K.G., H.A. WIEBE, R.O.S. STEVENS, 1976. Some Measurements of Air Quality and Precipitation in Saint-John, N.B. Water, Air, and Soil Pollution 5: p. 507-514.

641 ASMAN, W.A.H., J. SLANINA, J.H. BAARD, 1981. Meteorological interpretation of the chemical composition of rain-water at one measuring site. Water, Air and Soil Pollution, 16(2): p. 159-175.

198 BAKER, J., D. HOCKING, M. NYBORG, 1977. Acidity of Open and Intercepted Precipitation in Forests and Effects on Forest Soils in Alberta, Canada. Water, Air and Soil Pollution 7: 449-460.

242 BAKER, M.B., D. CANIPAROLI, H. HARRISON, 1981. An analysis of the first year of multi state atmospheric power production pollution study rain chemistry measurements. Atmospheric Environment 15(1): p. 43-55.

390 BARICA, J., F.A.J. ARMSTRONG, 1971. Contribution by snow to the nutrient budget of some small northwest Ontario lakes. Limnology and Oceanography, 16(6): p. 891-899.

220 BARRETT, E., G. BRODIN, 1955. The Acidity of Scandinavian Precipitation. Tellus 7: p. 251-257.

483 BARRIE, L.A., H.A. WIEBE, K. ANLAUF, P. FELLIN, 1980. The Canadian Air and Precipitation Monitoring Network APN. In: Atmospheric Pollution 1980, Proceedings of the 14th International Colloquium, Paris, France, May 5-8, 1980. M.M. Benarie (Ed.), Studies in Environmental Science, Volume 8: p. 355-360.

147 BARRIE, L.A., H.A. WIEBE, P. FELLIN, K. ANLAUF. The Canadian Air and Precipitation Monitoring Network: A Description and Results for November 1978 to June 1979. Report: AQRB-80-002-T, Atmospheric Environment Service, Downsview, Ontario.

269 BARRIE, L.A., 1981. The prediction of rain acidity and SO_2 scavenging in eastern North America. Atmospheric Environment 15(1): p. 31-41.

105 BARRIE, L.A., H.A. WIEBE, P. FELLIN, K. ANLAUF, 1981. Results of the Canadian Air and Precipitation monitoring Network APN: July 1979 to June 1980. Environnement Canada, Service de l'environnement atmosphérique, Report: AQRB-81-026-T.

534 BEAMISH, R.J., G.A. McFARLANE, J.C. VAN LOON, J. LICHWA, 1975. An Examination of the possible effects of Sudbury nickel mining and smelting operations on fishes and the Water Chemistry of lakes within the whitefish lake indian reserve. Environnement Canada, Service des Pêches et des Sciences de la mer. Rapport technique no. 579: 52 p.

596 BEAMISH, Richard J., 1976. Acidification of Lakes in Canada by Acid Precipitation and the Resulting Effects on Fishes. Water, Air, and Soil Pollution 6: p. 501-514.

597 BEAMISH, R.J., J.C. VAN LOON, 1977. Precipitation Loading of Acid and Heavy Metals to a Small Acid Lake near Sudbury, Ontario. Journal Fisheries Research Board of Canada 34(5): p. 649-658.

176 BERRY, R.L., 1979. The Canadian Network for Sampling Precipitation (CANSAP) Project. Summary for the Period May 1977 to April 1978. LRTAP Project no. 4.2.1, 9 p.

671 BOLIN, B., L. GRANAT, 1973. Local fallout and long-distance transport of sulfur. Ambio 2: p. 87-90.

400 BOUTRON, C., R. DELMAS, 1980. Historical Record of Global Atmospheric Pollution Revealed in Polar Ice Sheets. Ambio 9(5): p. 210-215.

275 BREZONIK, P.L., E.S. EDGERTON, C.D. HENDRY, 1980. Acid Precipitation and Sulfate Deposition in Florida. Science 208: p. 1027-1029.

217 BROSSETT, C., K. ANDREASSON, M. FERM, 1975. The Nature and Possible Origin of Acid Particles Observed at the Swedish West Coast. Atmospheric Environment 9: p. 631-642.

360 BUDD, W.W., A.H., JOHNSON, J.B. HUSS, R.S. TURNER, 1981. Aluminum in Precipitation, Streams, and Shallow Groundwater in the New Jersey Pine Barrens. Water Resources Research 17(4): p. 1179-1183.

693 CHARLSON, R.J., H. RODHE, 1982. Factors controlling the acidity of natural rainwater. Nature 295(5851): p. 683-685.

145 CHRISTOPHERSEN, N., R.F. WRIGHT, 1981. Sulfate Budget and a Model for Sulfate Concentrations in Stream Water at Birkenes, a Small Forested Catchment in Southernmost Norway. Water Resources Research 17(2): p. 377-389.

742 CHRISTOPHERSEN, N., H.M. SEIP, C. QVENILD, O. TOLLAN, 1982. Sodium mobility in a mini-catchment studied with radioactive tracers and artificial precipitation. Nordic Hydrology 13: p. 105-114.

743 CHRISTOPHERSEN, N., A.O. STUANES, R.F. WRIGHT, 1982. Runoff Chemistry at a Mini-Catchment Watered with "Unpolluted Precipitation". Nordic Hydrology 13: p. 115-128.

280 CHUNG, Y.S., 1977. The Distribution of Atmospheric Sulphates in Canada and its Relationship to Long-Range Transport of Air Pollutants. Environnement atmosphérique, Rapport ARQT-1-77, Downsview, Ontario: 19 p.

137 CLAIR, T.A., J.P. WITTEMAN, S.H. WHITLOW, 1982. Acid Precipitation Sensitivity of Canada's Atlantic Provinces. Inland Waters Directorate Technical Bulletin no 124, Environment Canada, Ottawa.

252 COGBILL, C.V., 1976. The History and character of acid precipitation in eastern north america. Water, Air, and Soil Pollution, 6 (2/3/4): p 407-413.

468 COGBILL, C.V., G.E. LICKENS, 1974. Acid Precipitation in the North-eastern United States. Water Resources Research, 10(6): p. 1134-1137.

467 COLBECK, S.C., 1981. A simulation of the enrichment of atmospheric pollutants in snow cover runoff. Water Resources Research, 17(5): p. 1383-1388.

219 CONROY, N., K. HAWLEY, W. KELLER, C. LAFRANCE, 1976. Influences of the Atmosphere on Lakes in the Sudbury Area. Journal of Great Lakes Research 2: p. 146-165.

669 COOPER, H.B..H. Jr., J.A. LOPEZ, 1976. Chemical composition of acid precipitation in central Texas. Water, Air, and Soil Pollution 6: p. 351-359.

120 COWLING, E.B., L.S. DOCHINGER, 1979. Effects of Acid Rain on Crops and Trees American Society for Civil Engineers. ASCE preprint, NO. 3598: p. 21-54.

146 CRONAN, C.S., C.L. SCHOFIELD, 1979. Aluminum Leaching Response to Acid Precipitation: Effects on High - Elevation Water - sheds in the Northeast. Science, 204: p. 304-306.

664 DAVIES, T.D., 1976. Precipitation scavenging of sulphur dioxide in an industrial area. Atmospheric Environment 10: p. 879-890.

665 DAVIES, T.D., 1979. Dissolved sulphur dioxide and sulphate in urban and rural precipitation (Norfolk, U.K.) Atmospheric Environment 13: p. 1275-1285.

579 DE BARY, E., C. JUNGE, 1963. Distribution of Sulfur and Chlorine over Europe. Tellus 15(4): p. 370-381.

363 DELISLE, C.E., 1979. Impacts des précipitations acides et contaminées par les métaux lourds sur les écosystèmes aquatiques. Conférence sur les contaminants dans l'environnement, Québec, 14-15 mai.

81 DELISLE, Claude E., J. KLOPPENBURG, J. SYLVAIN, ECOLE POLYTECHNIQUE, SECTION DU GENIE DE L'ENVIRONNEMENT, 1979. Le mercure et l'acidité dans les précipitations au Nord-Ouest québécois. Eau du Québec, 12(2): p. 76-85.

425 DILLON, P.J., N.D. YAN. W.A. SCHEIDER, N. CONROY, 1977. Acidic Lakes in Ontario: Characterization, Extent, and Responses to Base and Nutrient Additions. Ontario Ministry of the Environment: 39 p.

603 DILLON, P.J., D.S. JEFFRIES, W. SNYDER, R. REID, N.D. YAN, ET AL, 1978. Acidic Precipitation in South-Central Ontario: Recent Observations. Journal Fisheries Research Board of Canada 35: p. 809-815.

297 DOVLAND, H., A. ELIASSEN, 1977. Estimates of dry deposition on snow. SNSF-Project, rapport IR 34/77, Oslo: 17 p.

292 DOVLAND, H., A. SEMB, 1978. Deposition and runoff of sulphate in the Tovdal river. A study of the mass balance for September 1974 - August 1976, SNSF-Project, rapport IR 38/78, Oslo: 22 p.

660 DURRAN, D.R., M.J. MELDGIN, M. LIU, 1979. A study of long range air pollution problems related to coal development in the northern great plains. Atmospheric Environment 13: p. 1021-1037.

453 EDGERTON, E.S., P.L. BREZONIK, C.D. HENDRY, 1981. Atmospheric deposition of acidity and sulfur in Florida. In: Atmospheric pollutants in natural waters, Ann Arbor Science Publishers, Michigan: p. 237-258. ISBN 0-250-40369-2.

439 ELGMORK, K., A. HAGEN, A. LANGELAND, 1973. Polluted snow in southern Norway during the winter 1968-1971. Environmental pollution, 4: p. 41-52.

763 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 2, 1982. Sur les sciences et analyses atmosphériques. Rapport final, soumis conformément au Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière.

142 FICKE, J.F., 1977. Air pollution: Impact on Water. Proc. of the 32nd annual meeting, Soil Conservation Society of America. Aug. 7-10, 1977. p. 208-211.

318 FISHER, B.E.A., 1981. Effect of enrichment in marine aerosols on estimated background concentration of sulphate in precipitation. Atmospheric Environment 15(6): p. 1095-1096.

408 FISHER, D.W., A.W. GAMBELL, G.E. LIKENS, F.H. BORMANN, 1968. Atmospheric Contributions to Water Quality of Streams in the Hubbard Brook Experimental Forest, New Hampshire. Water Resources Research, 4(5): p. 1115-1126.

211 FORLAND, E.J., 1973. A Study of the Acidity in the Precipitation in Southwestern Norway. Tellus 25: p. 291-299.

261 FORLAND, E.J., Y.T. GJESSING, 1975. Snow Contamination from Washout/ Rainout and Dry Deposition. Atmospheric Environment 9: p. 339-352.

514 FRINK, C.R., G.K. Voigt, 1976. Potential Effects of Acid Precipitation on Soils in the Humid Temperate Zone. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 685-709.

109 FRIZZOLA, John A., Joseph A. BAIER, 1975. Contaminants in Rainwater and Their Relation to Water Quality, Part II. Water and Sewage works 122 (9): p. 94-95.

513 GALLOWAY, J.N., G.E. LIKENS, E.S. EDGERTON, 1976. Hydrogen Ion Speciation in the Acid Precipitation of the Northeastern United States. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 383-396.

685 GALLOWAY, J.N., G.E. LIKENS, E.S. EDGERTON, 1976. Acid Precipitation in the Northeastern United States: pH and Acidity. Science 194: p. 722-724.

329 GALLOWAY, J.N., 1976. Critical Factors in the Collection of Precipitation for Chemical Analysis. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 65-81.

144 GALLOWAY, J.N., 1977. Air Pollution: Impact on aquatic ecosystems. Proc. of the 32nd Annual Meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 211-215.

4 GALLOWAY, James N., Ellis B. COWLING, 1978. The Effects of Precipitation on Aquatic and Terrestrial Ecosytems: A Proposed Precipitation Chemistry Network. Journal of the Air Pollution Control Association 28 (3): p. 229-235.

347 GALLOWAY, J.N., G.E. LIKENS, 1981. Acid Precipitation: The Importance of Nitric Acid. Atmos. Environ. 15(6): p. 1081-1085.

214 GARLAND, J.A., 1981. Enrichment of Sulphate in Maritime Aerosols. Atmospheric Environment 15(5): p. 787-791.

325 GATZ, D.F., 1976. Wet Deposition Estimation Using Scavenging Ratios. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res. Sept. 28 - Oct. 1, 1975: p. 21-32.

299 GETHER, J., G. LUNDE, J. MARKALI, 1976. Particulate material in atmospheric fallout and precipitation over the south of Norway. SNSF-Project, Rapport 7/76, Oslo: 15 p.

300 GETHER, J., N. GJOS, G. LUNDE, 1976. Isolation and characterisation in precipitation of organic micropollutants associated with long-range transport in air. SNSF-Project, Rapport 8/76, Oslo: 12 p.

413 GJESSING, E.T., 1974. Effects of Polluted Precipitation on Water Quality. In: Seventh International Conference on Water Pollution Research, Paris: p. 725-731.

155 GJESSING, E.T., A. HENRIKSEN, M. JOHANNESSEN, R. WRIGHT, 1976. Effects of Acid Precipitation on Freshwater Chemistry. In: Impact of Acid Precipitation on Forest and Freshwater Ecosystems in Norway. Braekke, F.(Ed). Research Report 6/76, p. 65-85.

404 GORHAM, E., 1967. Some Chemical Aspects of Wetland Ecology. Nat. Res. Council Canada, Assoc. Comm. on Geotech. Res., Tech. Memo no 90: p. 20-38.

594 GORHAM, Eville, 1976. Acid Precipitation and its Influence Upon Aquatic Ecosystems - An Overview. Water, Air, and Soil Pollution 6: p. 457-481.

295 GOTAAS, Y., 1977. Aircraft measurements of the deposition of sulphur dioxide to forest and to sea by the profile method. SNSF-Project, Rapport IR 30/77, Oslo: 22 p.

186 GRAHN, O., 1977. Macrophyte Succession in Swedish Lakes Caused by Deposition of Airborne Acid Substances. Water, Air and Soil Pollution 7 (3): p. 295-305.

327 GRANAT, L., 1976. Principles in Network Design for Precipitation Chemistry Measurements, Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res. Sept. 28 - Oct. 1, 1975: p. 42-55.

88 HAGEN, Arne, Arnfinn LANGELAND, 1973. Polluted Snow in Southern Norway and the Effect of the Meltwater on Freshwater and Aquatic Organisms. Environmental Pollution 5: p. 45-57.

88 HAGEN, Arne, Arnfinn LANGELAND, 1973. Polluted Snow in Southern Norway and the Effect of the Meltwater on Freshwater and Aquatic Organisms. Environmental Pollution 5: p. 45-57.

482 HARRIMAN, R., B.R.S. MORRISON, 1981. Forestry, fisheries and acid rain in Scotland. Scottish Forestry, 35(2): p. 89-95.

652 HARRIMAN, R., B.R.S. MORRISON, 1982. Ecology of streams draining forested and non-forested catchments in an area of central Scotland subject to acid precipitation. Hydrobiologia, 88(3): p. 251-263.

715 HELVEY, J.D., J.HUBBARD, D.R. De WALLE, 1982. Time trends in pH and specific conductance of streamflow from an undisturbed watershed in the central appalachians. In: Comptes rendus du symposium canadien d'hydrologie 1982. Procédés hydrologiques des régions boisées. Fredericton, 14-15 juin 1982, p. 637-651.

227 HENDREY, G.R., R.F. WRIGHT, 1975. Acid Precipitation in Norway: Effects on Aquatic Fauna. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of lake Waters. Internat. Assoc. Great Lakes Res., 28 sept-1 oct 1975, Orillia, Ontario: p. 192-207.

276 HENDRY, C.D., P.L. BREZONIK, 1980. Chemistry of Precipitation at Gainesville, Florida. Environmental Science and Technology 14 (7): p. 843-849.

668 HENRIKSEN, A., R.F. WRIGHT, 1977. Effects of acid precipitation on a small acid lake in southern Norway. Nordic Hydrology 8: p. 1-10.

498 HENRIKSEN, A., 1980. Acidification of Freshwaters - A Large Scale Titration. Norwegian Institute for Water Research, Norway.

224 HERRMANN, A., 1975. Chemical Composition of a polluted snow cover. In: Isotopes et impuretés dans les neiges et glaces, Actes du colloque de Grenoble, Août/septembre 1975: p. 121-126.

463 HESSLEIN, Raymond H., 1979. Lake Acidification Potential in the Alberta Oil Sands Environmental Research Program Study Area. Alberta Oil Sands Environmental Research Program: 2[illegible] p.

518 HICKS, B.B., J.D. SHANNON, 1979. A Method for Modeling the Deposition of Sulfur by Precipitation over Regional Scales. Journal of Applied Meteorology 18: p. 1415-1420.

519 HOFFMAN, Jr., W.A., S.E. LINDBERG, R.R. TURNER, 1980. Precipitation Acidity: The Role of the Forest Canopy in Acid Exchange. J. Environ. Qual. 9(1): p. 95-100.

164 HORNBECK, J.W., G.E. LIKENS, J.S. EATON, 1977. Seasonal Patterns in Acidity of Precipitation and their Implications for Forest Stream Ecosystems. Water, Air and Soil Pollution 7: p. 355-365.

435 HORNBECK, J.W., G.E. LIKENS, 1974. The ecosystem concept for determining the importance of chemmical composition of snow, in: Advanced Concepts and Techniques in the Study of Snow and Ice Resources, National Academy of Sciences, Washington, D.C.: p. 139-151.

338 HULTBERG, H., O. GRAHN, 1976. Effects of acid Precipitation on Macrophytes in Oligotrophic Swedish Lakes. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 208-221.

165 HULTBERG, H., 1977. Thermally Stratified Acid Water in Late Winter - A Key Factor Inducing Self-Accelerating Processes which Increase Acidification. Water, Air and Soil Pollution 7: p. 279-294.

20 INRS-EAU. Exposé traitant des émissions de soufre et de l'acidité des précipitations: 19 p.

251 JACOBSON, J.S., L.I. HELLER, P. VAN LEUKEN, 1976. Acidic precipitation at a site within the northeastern conurbation. Water, Air and Soil Pollution 6 (2/3/4): p. 339-349.

550 JEFFRIES, D.S., W.R. SNYDER, W.A. SCHEIDER, M. KIRBY, 1977/78. Small-Scale Variations in Precipitation loading near Dorset, Ontario. Water Poll. Res. Canada 13: p 73-84.

97 JEFFRIES, D.S., C.M. COX, P.J. DILLON, 1979. Depression of pH in Lakes and Streams in Central Ontario during Snowmelt. Journal of the Fisheries Research Board of Canada 36 (6): p. 640-646.

551 JEFFRIES, D.S., W.R. SNYDER, 1981. Atmospheric Deposition of Heavy Metals in Central Ontario. Water, Air and Soil Pollution 15: p. 127-152.

225 JOHANNESSEN, M., T. DALE, E.T. GJESSING, A. HENRIKSEN, R.F. WRIGHT, 1975. Acid Precipitation in Norway: the regional distribution of contaminants in snow and the chemical concentration processes during snowmelt. In: Isotopes et impuretés dans les neiges et glaces, Actes du colloque de Grenoble, août/septembre 1975: p. 116-120.

71 JOHANNESSEN, M., A. HENRIKSEN, 1978. Chemistry of Snow Meltwater: Changes in Concentration During Melting. Water Resources Research, 14(4): p. 615-619.

140 JOHNSON, D.W., 1981. The natural acidity of some unpolluted waters in southeastern Alaska and potential impacts of acid rain. Water, Air and Soil Pollution 16(2): p. 243-252.

441 JOHNSON, A.H., 1979. Acidification of Headwater Streams in the New Jersey Pine Barrens. J. Environ. Qual., 8(3): p. 383-386.

114 JOHNSON, N.M., R.C. REYNOLDS, G.E. LICKENS, 1972. Atmospheric Sulfur: Its Effects on the chemical weathering of New England. Science 177: p. 514-516.

559 JOHNSON, N.M., C.T. DRISCOLL, J.S. EATON, G.E. LIKENS, W.H. McDOWELL, 1981. "Acid rain", dissolved aluminum and chemical weathering at the Hubbard Brook Experimental Forest, NewHampshire. Geochimica et Cosmochimica Acta, 45(9): p. 1421-1437.

230 JONES, H.G., M. OUELLET, D.F. BRAKKE, 1980. The Evolution of Acidity in Surface Waters of Laurentides Park (Quebec, Canada) Over a Period of 40 Years. Proceedings International Conference on Ecological Impact of Acid Precipitation, Sandefjord, Norway, 11-14 March 1980: 8 p.

364 JOURNAULT-DUPONT, C., 1979. Etude écologique de la région de Rouyn-Noranda. Conférence sur les contaminants dans l'environnement, Québec, 14-15 mai.

686 KELLY, T.J., D.H. STEDMAN, 1980. Effect of urban sources on acid precipitation in the Western United States. Science 210: p. 1043.

271 KEREKES, J.J., 1980. Preliminary Characterization of three Lake Basins Receiving Acid Precipitation in Nova Scotia.

532 KEREKES, J., G. HOWELL, S. BEAUCHAMP, T. POLLOCK, 1981. The Response of three Lake Basins to Acid Precipitation in Central Nova Scotia between June, 1979, and May, 1980: 14 p.

80 KLOPPENBURG, Jean, 1978. Le mercure et autres métaux lourds dans les pluies de la région de la Baie James, déc. 1978. Centre d'ingénierie nordique de l'école polytechnique. Rapport de stage: 35 p.

320 KRAMER, J.R., 1976. Geochemical and lithological factors in acid precipitation. USDA Forest Service Gen. Tech. Rep NE-23: p. 611-618.

50 KURTZ, J., W. A. SCHEIDER, 1980. Acidic Precipitation in south-central Ontario: Analysis of Source Regions Using Air Parcel Trajectories. Ontario Ministry of the Environment: 20 p.

357 LACHANCE, M., G. MORIN, J.L. SASSEVILLE, 1977. Approche rationnelle à l'étude de la qualité des précipitations sur un bassin. Rapport no. 80 rédigé par INRS-EAU pour Environnement Canada: 118 p.

418 LACHANCE, M., B. BOBEE, 1980. Impact des sources de SO_2 sur l'acidification des précipitations et étude régionale de l'influence des émissions de la fonderie de Noranda. Water Pollution Research in Canada (accepté pour publication): 28 p.

32 LACHANCE, M., B. BOBEE. Etude de la variabilité du pH des précipitations autour de Rouyn-Noranda, INRS-Eau, Rapport soumis au Bureau d'études des substances toxiques (BEST) des Services de protection de l'environnement du Québec (95): 74 p.

740 LEE, J.J., D.E. WEBER, 1982. Effects of sulfuric acid rain on major cation and sulfate concentrations of water percolating through two model hardwood forests. J. Environ. Qual., 11(1): p. 57-64.

100 LELIEVRE, C., 1981. Les pluies acides: Point de vue québécois. Feuillet météorologique 20(5): p. 62-72.

411 LEWIS, J. E., B. HREBENYK, MINISTERE DES RICHESSES NATURELLES, 1980. Variations des concentrations de pluies acides selon les cas de précipitations dans la région de Schefferville au Québec. Feuillet météorologique, 19(9): p. 147-158.

684 LEWIS, W.M. Jr., M.C. GRANT, 1980. Acid Precipitation in the Western United States. Science 207: p. 176-177.

286 LIKENS, G.E., T.J. BUTLER, 1981. Recent acidification of precipitation in North America. Atmospheric Environment 15(7): p. 1103-1109.

670 LILJESTRAND, H.M., J.J. MORGAN, 1978. Chemical composition of acid precipitation in Pasadena, Calif. Environmental Science and Technology 12(12): p. 1271-1273.

337 LILJESTRAND, H.M., J.J. MORGAN, 1981. Spatial Variations of Acid Precipitation in Southern California. Environmental Science and Technology 15(3): p. 333-338.

200 LINDBERG, S.E., R.C. HARRISS, 1981. The role of atmospheric deposition in an Eastern U.S. deciduous forest. Water Air Soil Pollut. 16(1): p. 13-31.

301 LUNDE, G., J. GETHER, N. GJOS, M.S. LANDE, 1976. Organic micropollutants in precipitation in Norway. SNSF-Project, Rapport 9/76, Oslo: 17 p.

17 LUNDE, Gulbrand, 1976. Long-Range Aerial Transmission of Organic Micropollutants. Ambio: 2 p.

118 MADSEN, B.C., 1981. Acid Rain at Kennedy Space Center, Florida: Recent Observations. Atmospheric Environment 15(5): p. 853-862.

525 MARSH, A.R.W., 1978. Sulphur and Nitrogen Contributions to the Acidity of Rain. Atmospheric Environment 12: p. 401-406.

345 MARTIN, A., 1979. A Survey of the Acidity of Rainwater over Large Areas of Great Britain, The Science of the Total Environment 13 (2): p. 119-130.

281 MASSE, C., D.M. WHELPDALE, 1980. Review of Precipitation Chemistry Data in the Province of Quebec. Environnement atmosphérique, Rapport AQRB-80-007-T, Downsview, Ontario.

414 MATHESON, D.H., 1974. Measurement of Atmospheric Inputs to the Great Lakes. Canada Centre for Inland Waters, Burlington, Ont.: 113 p.

248 MAYER, R., B. ULRICH, 1977. Acidity of precipitation as influenced by the filtering of atmospheric sulphur and nitrogen compounds - its role in the element balance and effect on soil. Water, Air and Soil Pollution 7(3): p. 409-416.

98 McFEE, W.W., J.M. KELLY, 1977. Air pollution: Impact on soils. Proc. of the 32nd Annual meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 203-207.

121 McLEAN, R.A.N., 1981. The relative contributions of sulfuric and nitric acids in acid rain to the acidification of the ecosystem. (Implications for Control Strategies). Domtar Research Centre. Senneville, Québec. 9 p.

538 McLEAN, R.A.N., 1981. The relative contributions of sulfuric and nitric acids in acid rain to the acidification of the ecosystem. Implications for Control Strategies. Environmental Sciences Group. Domtar Research Centre, Senneville: 10 p.

617 McLEAN, R.A.N., G.H. TOMLINSON, 1981. Les pluies acides et leurs effets potentiels sur les forêts. Congrès de l'Association Forestière du Québec, 3 octobre 1981. 16 p.

741 MOLLITOR, A.V., D.J. RAYNAL, 1982. Acid precipitation and ionic movements in Adirondack forest soils. Soil Sci. Soc. Am. J. 46(1): p. 137-141.

138 MORLING, G., 1981. Effects of acidification on some lakes in Western Sweden. Vatten 37(1): p. 25-38.

600 MOSS, Michael R., 1975. Spatial Patterns of Precipitation Reaction. Environ. Pollution 8: p. 301-315.

282 MUNN, R.E., H. RODHE, 1971. On the meteorological interpretation of the chemical composition of monthly precipitation samples. Tellus 23 (1): p. 1-13.

407 NICHOLLS, K.H., C.M. Cox, 1978. Atmospheric Nitrogen and Phosphorus Loading to Harp Lake, Ontario, Canada. Water Resources Research, 14(4): p. 589-592.

593 NISBET, Ian, 1975. Sulfates and Acidity in precipitation: Their Relationship to Emissions and Regional Transport of Sulfur Oxides. In: Air Quality and Stationary source Emission Control, ch. 7, Committee on Public Works, U.S. Senate Serv. (94-4): p. 276-312.

218 NORDO, J., A. ELAISSEN, J. SALTBONES, 1974. Large-Scale Transport of Air Pollutants. Advanced in Geophysics 18: p. 137-150.

510 NORDO, J., 1976. Long Range Transport of Air Pollutants in Europe and Acid Precipitation in Norway. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 87-103.

247 NORTON, S.A., 1977. Changes in chemical processes in soils caused by acid precipitation. Water, Air and Soil Pollution 7(3): p. 389-400.

197 NYBORG, M., J. CREPIN, D. HOCKING, J. BAKER, 1977. Effect of Sulphur Dioxide on Precipitation and on the Sulphur Content and Acidity of Soils in Alberta, Canada. Water, Air and Soil Pollution 7: p. 439-448.

92 ODEN, S., 1972. The extent and effects of atmospheric pollution on soils. FAO Soils Bull. 16: p. 179-194.

423 ODEN, S., T. AHL, 1973. The Acidification of Scandinavian Waters. Fisheries Research Board of Canada, Translation Series no 2535: 32 p.

592 ODEN, Svante, 1976. The acidity Problem -An Outline of Concepts. Water, Air, and Soil Pollution 6: p. 137-166.

690 OGDEN, J.G. III, 1982. Seasonal mass balance of major ions in three small watersheds in a maritime environment. Water, Air and Soil Pollution 17(2): p. 119-130.

24 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1978. An Analysis of the Sudbury Environmental Study Network Precipitation Acidity Data June-September, 1978, Rapport: 146 p.

212 OVERREIN, L.N., 1972. Sulphur Pollution Patterns Observed; Leaching of Calcium in Forest Soil Determined. Ambio 1: p. 145-147

729 PEARSON, M.J., M. PITCHFORD, R. SNELLING, 1979. Western energy sulfate / nitrate monitoring network, progress report. U.S. Environmental Protection Agency, EPA - 600/7-79-074, 42 p.

754 PETERS, N.E., R.A. SCHROEDER, D.E. TROUTMAN, 1982. Temporal Trends in the Acidity of Precipitation and Surface Waters of New York. United States Geological Survey Water-Supply Paper 2188. 35 p.

631 POSSANZINI, M., D. BROCCO, A. CECINATO, 1980. Determination of strong acid in air-borne matter. Analytical Letters, 13(A17): p. 1541-1547.

416 PRESTON, E.M., R.A. LEWIS (eds), 1978. The Bioenvironmental Impact of a coal-fired power plant, Colstrip, Montana. EPA-600/3-78-021, Corvallis Environmental Research Lab., Oreg. (microfiches).

173 RAYNOR, G.S., J.V. HAYES, 1981. Acidity and conductivity of precipitation on central Long Island, New York in relation to meteorological variables. Water Air Soil Pollut. 15(2): p. 229-245.

187 REUSS, J.O., 1977. Chemical and Biological Relationships Relevant to the Effect of Acid Rainfall on the Soil-Plant System. Water, Air and Soil Pollution 7(4): p. 461-478.

436 ROSENQVIST, Th., 1978. Alternative Sources for Acidification of River Water in Norway. The Science of the Total Environment, 10: p. 39-49.

169 RUTHERFORD, G.K., 1967. A preliminary study of the composition of precipitation in S.E. Ontario. Can. Jour. of Earth Science 4: p. 1151-1160.

620 SASSEVILLE, J.L., M. LACHANCE, 1981. Environmental management cognitive strategies: the case of acid rain of the Yamaska watershed in Quebec, Canada. Institut national de la recherche scientifique (INRS), 35 p.

168 SCHEIDER, W.A., D.S. JEFFRIES, P.J. DILLON, 1979. Effects of Acidic Precipitation on Precambrian Freshwaters in Southern Ontario. Journal of great Lakes Research 5 (1): p. 45-51.

272 SCHEIDER, W.A., W.R. SNYDER, B. CLARK, 1979. Deposition of nutrients and major ions by precipitation in south-central Ontario. Water, Air and Soil Pollution 12: p. 171-185.

541 SCHEIDER, W.A., D.S. JEFFRIES, P.J. DILLON, 1980. Bulk Deposition in the Sudbury and Muskoka - Haliburton Areas of Ontario during the Shutdown of Inco ltd in Sudbury. Ontario Ministry of Environment, Limnology and Toxicity Section, Rexdale Ont.: 18 p.

278 SCHINDLER, D.W., R.W. NEWBURY, K.G. BEATY, P. CAMPBELL, 1976. Natural Water and Chemical Budgets for a Small Precambrian Lake Basin in Central Canada. J. Fish. Res. Board Can. 33: p. 2526-2543.

571 SCHOFIELD, Jr., L.L., 1965. Water Quality in Relation to Survival of Brook Trout (Salvelinus fontinalis (Mitchill). Transaction of the American Fisheries Society 94: p. 227-235.

108 SCHOFIELD, Carl, L., 1977. Acid snow - Melt Effects on Water Quality and Fish Survival in the Adirondack Mountains of New-York State. 1977 U.S. National Technical information service, completion report, PB-277 801.

372 SCHOFIELD, C.L., J.R. TROJNAR, 1980. Aluminum Toxicity to Brook Trout (Salvelinus fontinalis) in Acidified Waters, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 341-366.

444 SEIP, H.M., A. TOLLAN, 1978. Acid Precipitation and other possible sources for acidification of rivers and lakes. The Science of the Total Environment, 10: p. 253-270.

290 SEIP, H.M., E.T. GJESSING, H. KAMBEN, 1979. Importance of the composition of the precipitation for the pH in runoff-experiments with artificial precipitation on partly soil-covered "minicatchments". SNSF-Project, Rapport IR 47/79, Oslo: 34 p.

289 SEIP, H.M., G. ABRAHAMSEN, E.T. GJESSING, A. STUANES, 1979. Studies of soil-, precipitation - and run-off chemistry in six small natural plots ("mini-catchments"). SNSF-Project, Rapport IR 46/79, Oslo: 62 p.

705 SEIP, H.M., G. ABRAHAMSEN, N. CHRISTOPHERSEN, E.T. GJESSING, A.O. STUANES, 1980. Snow and meltwater chemistry in mini-catchments. SNSF-Project, report 1R 53/80, Oslo. 51 p.

511 SEMB, A., 1976. Measurement of Acid Precipitation in Norway. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 119-129.

291 SEMB, A., 1978. Deposition of trace elements from the atmosphere in Norway. SNSF-Project, Rapport FR-13/78, Oslo: 28 p.

644 SERGEANT, D.B., V. ZITKO, L.E. BURRIDGE, 1981. Sampling, analysis and data evaluation of precipitation at St-Andrews, New-Brunswick, Canada, 1978-80. Canadian Technical Report of Fisheries and Aquatic Sciences, (1023): 26 p.

584 SHARPE, W.E., E.S. YOUNG, 1981. The effects of acid precipitation on water quality in roof catchment-cistern water supplies. Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 24 p.

115 SHAW, R.W., D.M. WHELPDALE, 1973. Sulphate Deposition by Precipitation into Lake Ontario. Water Air and soil pollution 2: p. 125-128.

599 SHIOMI, M.T., K.W. KUNTZ, 1973. Great Lakes Precipitation Chemistry: Part 1. Lake Ontario Basin. 16th Conf. Great Lakes Res. 1973, Internat. Assoc. Great Lakes Res.: p. 581-602.

618 SHRINER, D.S., 1980. Terrestrial vegetation air pollutant interactions: nongazeous pollutants, wet deposition. Proceedings of International Conference on air pollutants and their effects on terrestrial ecosystems. Banff, Alberta, May 10-17.

489 SINGH, B., 1981. L'occurrence et la variation dans le temps de la pluie acide, Baie James, Nouveau-Québec. Feuillet météorologique 20(1): p. 7-20.

393 SKARTVEIT, A., Y.T. GJESSING, 1979. Chemical Budgets and Chemical Quality of Snow and Runoff During Spring Snowmelt. Nordic Hydrology, 10(2/3): p. 141-154.

148 SKARTVEIT, A., 1981. Relationships between Precipitation Chemistry, Hydrology, and Runoff Acidity. Nordic Hydrology, 12(2): p. 65-80.

454 SLINN, S.A., W.G.N. SLINN, 1981. Modeling of atmospheric particulate deposition to natural waters. In: Atmospheric pollutants in natural waters, Ann Arbor Science Publishers, Michigan: p. 23-53. ISBN 0-250-40369-2.

455 SODERLUND, R., 1981. Dry and wet deposition of nitrogen compounds. In: Ecological Bulletins NFR, no 33. Terrestrial nitrogen cycles: processes, ecosystem strategies and management impacts. Proceedings of an International Workshop, Osterfarnebo, Sweden, Sept. 16-22, 1979: p. 123-130. ISBN 91-546-0290-4.

376 STENSLAND, G.J., 1980. Precipitation Chemistry Trends in the Northeastern United States, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 87-108.

491 STEVENSON, D.J., 1980. The lead content and acidity of Christchurch precipitation. New Zealand Journal of Science, 23(3); p. 311-312.

748 SUAREZ, E.L., U.S. JONES, 1982. Atmospheric sulfur as related to acid precipitation and soil fertility. Soil Sci. Soc. AM. J. 46: p. 976-980.

601 SUMMERS, P.W., D.W. WHELPDALE, 1976. Acid Precipitation in Canada. Water, Air and Soil Pollution 6: p. 447-455.

157 SUTCLIFFE, D.W., T.R. CARRICK, 1973. Studies on Mountain Streams in the English Lake District, I. pH, Calcium and the Distribution of Invertebrates in the River Duddon. Freshwater Biology 3: p. 437-462.

158 SUTCLIFFE, D.W., T.R. CARRICK, 1973. Studies on Mountain Streams in the English Lake District, III. Aspects of Water Chemistry in Brownrigg Well, Whelpside Ghyll. Freshwater Biology 3: p. 561-568.

733 SUZUKI, K., 1982. Chemical changes of snow cover by melting. Jap. J. Limnol. 43(2): p. 102-112.

342 TALBOT, L., 1980. Observations récentes de la qualité des précipitations au Québec. Environnement-Québec, Bureau d'étude sur les substances toxiques: 87 p.

341 TALBOT, L., 1980. Réseau de collecte des précipitations, mise sur pied et mode de fonctionnement, 80-82. Environnement-Québec, Service de la qualité des eaux: 14 p.

185 TAMM, C.O., E.B. COWLING, 1977. Acidic Precipitation and Forest Vegetation. Water, Air and Soil Pollution 7(4): p. 503-511.

523 THOMPSON, M.E., M.B. HUTTON, 1982. Sulfate in lakes of eastern Canada: calculated atmospheric loads compared with measured wet deposition. National Water Research Institute, Burlington, Ontario. 22 p.

85 THORNTON, J.D., S.J. EISENREICH, J.W. MUNGER, E. GORHAM, 1981. Trace metal and strong acid composition of rain and snow in Northern Minnesota. In: Atmospheric Pollutants in natural waters, Ann Arbor Science Publishers, Michigan, p. 261-284. ISBN 0-250-40369-2.

494 TOMLINSON, G.H., 1981. Acid Rain and the Forest - The Effect of Aluminum and the German Experience. Domtar, Centre de recherche Senneville, Québec, project no. 74-7124-13: 22 p.

736 TROUTMAN, D.E., N.E. PETERS, 1982. Deposition and transport of heavy metals in three lake basins affected by acid precipitation in the Adirondack mountains, New York. In: Energy and Environmental Chemistry, Acid Rain, Volume two, L.H. Keith (ed), Ann Arbor Science, Michigan, p. 33-89.

717 UNDERWOOD, J.K., 1981. Acidic precipitation in Nova Scotia. Nova Scotia Department of the Environment, Halifax, 17 p.

718 UNDERWOOD, J.K., 1982. Monitoring acid precipitation. Nova Scotia Department of the Environment, Halifax, 29 p.

710 UNITED STATES GOVERNMENT, 1981. Effects of Acid Rain. Hearing before the subcommittee on energy conservation and supply of the committee on energy and natural resources United States senate. Publication no. 96-126, Part 2, Washington, 121 p.

381 VAN LOON, J.C., R.J. BEAMISH, 1977. Heavy-Metal Contamination by Atmospheric Fallout of Several Flin Flon Area Lakes and the Relation to Fish Populations. J. Fish. Res. Board Can. 34(7): p. 899-906.

378 VERMEULEN, A.J., 1980. The Acidic precipitation phenomenon. A Study of this phenomenon and of a relationship between the acid content of precipitation and the emission of sulfur dioxide and nitrogen oxides in the netherlands, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 7-60.

734 WAINWRIGHT, M., S. SUPHARUNGSUN, K. KILLHAM, 1982. Effect of acid rain on the solubility of heavy metal oxides and fluorspar (CaF_2) added to soil. The Science of the Total Environment 23-34: p. 85-90.

284 WEISS, R.E., A.P. WAGGONER, R.J. CHARLSON, N.C. AHLQUIST, 1977. Sulfate Aerosol: Its Geographical Extent in the Midwestern and Southern United States. Science 195: p. 979-981.

330 WHELPDALE, D.M., 1976. Particulate Concentration and Dry Deposition Measurements. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 82-87.

362 WHELPDALE, D.M., A.W. Mac AFEE, 1979. Un bilan du soufre contenu dans l'atmosphère de l'Est canadien. Conférence sur les contaminants dans l'environnement, Québec, 14-15 mai.

747 WHELPDALE, D.M., L.A. BARRIE, 1982. Atmospheric monitoring network operations and results in Canada. Water, Air, and Soil Pollution 18: p. 7-23.

745 WILLIAMS, D.J., J.N. CARRAS, J.W. MILNE, 1981. The oxidation and long-range transport of sulphur dioxide in a remote region. Atmospheric Environment 15(10-11): p. 2255-2262.

41 WILTSHIRE, J.F., SERVICE DE LA PROTECTION DE L'ENVIRONNEMENT, ENVIRONNEMENT CANADA, 1979. The Long Range Transport of Atmospheric Acids; A Sulphur Budget for Nova Scotia 1979. Surveillance Report EPS-5-AR-79-8: 114 p.

326 WINCHESTER, J.W., 1976. Approaches to Evaluating Dry Deposition of Atmospheric Aerosol Pollutants Onto Lake Surfaces. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept 28 - Oct. 1, 1975: p. 33-41.

201 WINNER, W.E., J.D. BEWLEY, 1978. Contrasts Between Bryophyte and Vascular Plant Synecological Responses in an SO_2-Stressed White Spruce Association in Central Alberta. Oecologia 33(3): p. 311-325.

304 WRIGHT, R.F., C. LYSHOLM, 1975. Regional survey of lakes in southern Norway, fall 1974. Preliminary analysis of water-chemistry data, SNSF Project, Rapport IR 6/75, Oslo: 24 p.

294 WRIGHT, R.F., H. DOVLAND, 1977. Regional surveys of the chemistry of the snowpack in Norway late Winter 1973, 1974, 1975 and 1976. SNSF-Project, Rapport FR 12/77, Oslo: 29 p.

296 WRIGHT, R.F., T. DALE, A. HENRIKSEN, G.R. HENDREY, E.T. GJESSING, M. JOHANNESSEN, C. LYSHOLM, E. STOREN, 1977. Regional Surveys of small Norwegian lakes October 1974, March 1975, March 1976, and March 1977. SNSF-Project, IR 33/77, Oslo: 467 p.

72 WRIGHT, R.F., Arne HENRIKSEN, 1978. Chemistry of Small Norwegian Lakes, With Special Reference to Acid Precipitation. Limnology Oceanography 23(3): p. 487-498.

406 WRIGHT, R.F., E. SNEKVIK, 1978. Acid precipitation: Chemistry and fish populations in 100 lakes in southernmost Norway. International association of theoretical & applied limnology, 20: p. 765-775.

703 ZIMMERMAN, A.P., H.H. HARVEY, 1979. Sensitivity to acidification of waters of Ontario and neighboring states. University of Toronto for Ontario Hydro. 136 p.

704 ZIMMERMAN, A.P., 1982. Sensitivity to Acidification of Waters of Ontario and Neighboring States II: An Analysis of Data Set Variance and Prediction of Acid Sensitive Lake Areas. Dept. of Zoology, University of Toronto for Ontario Hydro. 109 p.

1.6 Méthodes et techniques

306 ALTWICKER, E.R., E. CHAPMAN, 1981. Mass transfer of sulfur dioxide into falling drops: a comparison of experimental data with absorption models. Atmospheric Environment 15(3): p. 297-300.

123 ASKNE C., C. BROSSET, 1972. Determination of strong Acid in Precipitation, Lake-Water and Air-Borne Matter. Atmospheric Environment 6: p. 695-696.

242 BAKER, M.B., D. CANIPAROLI, H. HARRISON, 1981. An analysis of the first year of multi state atmospheric power production pollution study rain chemistry measurements. Atmospheric Environment 15(1): p. 43-55.

147 BARRIE, L.A., H.A. WIEBE, P. FELLIN, K. ANLAUF. The Canadian Air and Precipitation Monitoring Network: A Description and Results for November 1978 to June 1979. Report: AQRB-80-002-T, Atmospheric Environment Service, Downsview, Ontario.

269 BARRIE, L.A., 1981. The prediction of rain acidity and SO_2 scavenging in eastern North America. Atmospheric Environment 15(1): p. 31-41.

204 CANADA. ENVIRONNEMENT CANADA, 1980. Lignes directrices s'appliquant à l'indice de la qualité de l'air à court terme. Rapport du Comité fédéral-provincial de la pollution de l'air: 15 p.

522 CANADA. ENVIRONNEMENT CANADA, 1981. Technology for controlling emissions from power plants fired with fossil fuel. Environmental Protection Service, Report EPS 3-AP-81-3. 54 p.

274 CASE, G.D., D.A. GREEN, G.W. STEWART, 1980. Aqueous Scrubber Reactions of Pyrrhotite (FES) with Sulfur Dioxide. Environmental Science and Technology 14(7): p. 866-872

319 CHANG, S.G., R. TOOSSI, T. NOBOKOV, 1981. The importance of soot particles and nitrous acid in oxidizing SO_2 in atmospheric aqueous droplets. Atmospheric Environment 15(7): p. 1287-1292.

693 CHARLSON, R.J., H. RODHE, 1982. Factors controlling the acidity of natural rainwater. Nature 295(5851): p. 683-685.

297 DOVLAND, H., A. ELIASSEN, 1977. Estimates of dry deposition on snow. SNSF-Project, rapport IR 34/77, Oslo: 17 p.

126 DURHAM, J.L., J.H. OVERTON, JR, V.P. ANEJA, 1981. Influence of Gaseous Nitric Acid on Sulfate Production and Acidity in Rain. Atmospheric Environment 15(6): p. 1059-1068.

660 DURRAN, D.R., M.J. MELDGIN, M. LIU, 1979. A study of long range air pollution problems related to coal development in the northern great plains. Atmospheric Environment 13: p. 1021-1037.

285 ELIASSEN, A., 1980. A Review of Long-Range Transport Modeling. Journal of Applied Meteorology 19 (3): p. 231-240.

502 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 2, 1981. Modélisation de l'atmosphère. Rapport provisoire États-Unis - Canada, Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière: 170 p. (Version anglaise disponible).

503 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 3B, 1981. Evaluation des techniques, coûts et émissions. Rapport provisoire États-Unis - Canada, Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière: 189 p. (Version anglaise disponible).

763 ETATS-UNIS - CANADA. GROUPE DE TRAVAIL 2, 1982. Sur les sciences et analyses atmosphériques. Rapport final, soumis conformément au Mémorandum déclaratif d'intention concernant la pollution atmosphérique transfrontière.

329 GALLOWAY, J.N., 1976. Critical Factors in the Collection of Precipitation for Chemical Analysis. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 65-81.

659 GALLOWAY, J.N., B.J. COSBY, Jr., G.E. LIKENS, 1979. Acid precipitation: Measurement of pH and acidity. Limnology & Oceanography 24(6): p. 1161 à 1165.

325 GATZ, D.F., 1976. Wet Deposition Estimation Using Scavenging Ratios. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res. Sept. 28 - Oct. 1, 1975: p. 21-32.

299 GETHER, J., G. LUNDE, J. MARKALI, 1976. Particulate material in atmospheric fallout and precipitation over the south of Norway. SNSF-Project, Rapport 7/76, Oslo: 15 p.

300 GETHER, J., N. GJOS, G. LUNDE, 1976. Isolation and characterisation in precipitation of organic micropollutants associated with long-range transport in air. SNSF-Project, Rapport 8/76, Oslo: 12 p.

295 GOTAAS, Y., 1977. Aircraft measurements of the deposition of sulphur dioxide to forest and to sea by the profile method. SNSF-Project, Rapport IR 30/77, Oslo: 22 p.

327 GRANAT, L., 1976. Principles in Network Design for Precipitation Chemistry Measurements, Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res. Sept. 28 - Oct. 1, 1975: p. 42-55.

518 HICKS, B.B., J.D. SHANNON, 1979. A Method for Modeling the Deposition of Sulfur by Precipitation over Regional Scales. Journal of Applied Meteorology 18: p. 1415-1420.

355 INCO LIMITED, 1980. The Containment of Sulphur Dioxide Emissions at Inco's Sudbury Operations: 9 p.

229 INTERAGENCY ENERGY/Environment Research and Development Program, 1979. Sulfur Oxides Control in Japan, EPA-600/9-79-043.

287 IVERACH, D., 1978. A Technique for Estimating the Relative Impact of Mobile and Stationary Sources on No_2 Concentrations. Journal of the Air Pollution Control Association 28 (8): p. 800-802.

367 JAHNIG, C.E., H. SHAW, 1981. A comparative Assessment of Flue Gas Treatment Processes Part II - Environmental and Cost Comparison. J. Air Pollut. Control Assoc. 31(5): p. 596-604.

50 KURTZ, J., W. A. SCHEIDER, 1980. Acidic Precipitation in south-central Ontario: Analysis of Source Regions Using Air Parcel Trajectories. Ontario Ministry of the Environment: 20 p.

357 LACHANCE, M., G. MORIN, J.L. SASSEVILLE, 1977. Approche rationnelle à l'étude de la qualité des précipitations sur un bassin. Rapport no. 80 rédigé par INRS-EAU pour Environnement Canada: 118 p.

32 LACHANCE, M., B. BOBEE. Etude de la variabilité du pH des précipitations autour de Rouyn-Noranda, INRS-Eau, Rapport soumis au Bureau d'études des substances toxiques (BEST) des Services de protection de l'environnement du Québec (95): 74 p.

87 LEDBETTER, Joe O., 1972. Variation of Pollutant Concentration with Sampling Time. Environmental Letters 3 (3): p. 159-169.

100 LELIEVRE, C., 1981. Les pluies acides: Point de vue québécois. Feuillet météorologique 20(5): p. 62-72.

539 LELIEVRE, C., 1981. Modèle simple du transport à longue distance des polluants atmosphériques. Environnement Québec: 9 p.

301 LUNDE, G., J. GETHER, N. GJOS, M.S. LANDE, 1976. Organic micropollutants in precipitation in Norway. SNSF-Project, Rapport 9/76, Oslo: 17 p.

414 MATHESON, D.H., 1974. Measurement of Atmospheric Inputs to the Great Lakes. Canada Centre for Inland Waters, Burlington, Ont.: 113 p.

282 MUNN, R.E., H. RODHE, 1971. On the meteorological interpretation of the chemical composition of monthly precipitation samples. Tellus 23 (1): p. 1-13.

324 MUNN, R.E., 1976. Atmospheric Transport and Diffusion on the Regional Scale. Proc. First Specialty Symposium on Atmospheric Contribution to the chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 1-20.

218 NORDO, J., A. ELAISSEN, J. SALTBONES, 1974. Large-Scale Transport of Air Pollutants. Advanced in Geophysics 18: p. 137-150.

510 NORDO, J., 1976. Long Range Transport of Air Pollutants in Europe and Acid Precipitation in Norway. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 87-103.

25 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1978. Acid Particulate and Particle Sizing Sampling at INCO Superstack, June 1977. Rapport no ARB-TDA53-78: 87 p.

678 PENKETT, S.A., 1981. The application of analytical techniques to the understanding of chemical processes occurring in the atmosphere. Toxicological and Environmental Chemistry, 3 (3-4): p. 291-321.

7 PERSSON, Goran A., 1976. Control of Sulfur Dioxide Emissions in Europe. Ambio 5 (5-6): p. 249-252.

631 POSSANZINI, M., D. BROCCO, A. CECINATO, 1980. Determination of strong acid in air-borne matter. Analytical Letters, 13(A17): p. 1541-1547.

697 QUEBEC. MINISTERE DE L'ENVIRONNEMENT, 1982. Détermination des caractéristiques physico-chimiques des précipitations. Direction générale des inventaires et de la recherche, direction des laboratoires, PA-3. 85 p.

187 REUSS, J.O., 1977. Chemical and Biological Relationships Relevant to the Effect of Acid Rainfall on the Soil-Plant System. Water, Air and Soil Pollution 7(4): p. 461-478.

689 ROBINSON, J.W., H. GHANE, 1982. Occurrence of acid rain in Baton Rouge, Louisiana, Summer 1981. The role of the catalytic converter. J. Environ. Sci. Health A17(1): p. 129-136.

620 SASSEVILLE, J.L., M. LACHANCE, 1981. Environmental management cognitive strategies: the case of acid rain of the Yamaska watershed in Quebec, Canada. Institut national de la recherche scientifique (INRS), 35 p.

454 SLINN, S.A., W.G.N. SLINN, 1981. Modeling of atmospheric particulate deposition to natural waters. In: Atmospheric pollutants in natural waters, Ann Arbor Science Publishers, Michigan: p. 23-53. ISBN 0-250-40369-2.

376 STENSLAND, G.J., 1980. Precipitation Chemistry Trends in the Northeastern United States, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 87-108.

341 TALBOT, L., 1980. Réseau de collecte des précipitations, mise sur pied et mode de fonctionnement, 80-82. Environnement-Québec, Service de la qualité des eaux: 14 p.

533 TALBOT, L., 1981. Réseau québécois de collecte des précipitations: conception, mise sur pied et mode de fonctionnement. Ministère de l'Environnement, Direction des inventaires et de la recherche, Service de la qualité des eaux: 37 p.

253 TYREE, Jr, S.Y., 1981. Rainwater acidity measurement problems. Atmospheric Environment 15(1): p. 57-60.

718 UNDERWOOD, J.K., 1982. Monitoring acid precipitation. Nova Scotia Department of the Environment, Halifax, 29 p.

392 UNITED STATES ENVIRONMENTAL PROTECTION AGENCY, 1979. Sulfur Emission: Control technology and waste management. EPA-600/ 9-79-019: 32 p.

330 WHELPDALE, D.M., 1976. Particulate Concentration and Dry Deposition Measurements. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 82-87.

41 WILTSHIRE, J.F., SERVICE DE LA PROTECTION DE L'ENVIRONNEMENT, ENVIRONNEMENT CANADA, 1979. The Long Range Transport of Atmospheric Acids; A Sulphur Budget for Nova Scotia 1979. Surveillance Report EPS-5-AR-79-8: 114 p.

326 WINCHESTER, J.W., 1976. Approaches to Evaluating Dry Deposition of Atmospheric Aerosol Pollutants Onto Lake Surfaces. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept 28 - Oct. 1, 1975: p. 33-41.

CHAPITRE 2: ORGANISMES AQUATIQUES

2.1 Ouvrages de synthèse

Cote

112 ALMER, B., W. DICKSON, C. EKSTROM, E. HORNSTROM, U. MILLER, 1974. Effects of Acidification on Swedish Lakes. Ambio 3(1): p. 30-36.

219 CONROY, N., K. HAWLEY, W. KELLER, C. LAFLAMME, 1976. Influences of the Atmosphere on Lakes in the Sudbury Area. Journal of Great Lakes Research 2: p. 146-165.

499 EILERS, J.M., R. BERG, G.E. GLASS, 1981. Sensitivity Of Aquatic Organisms to Acidic Environments. U.S. Environmental Protection Agency, Environmental Research Laboratory - Duluth, Minnesota: 50 p.

399 ERIKSSON, M.O.G., L. HENRIKSON, B.I. NILSSON, G. NYMAN, H.G. OSCARSON, A.E. STENSON, 1980. Predator-prey Relations Important for the Biotic Changes in Acidified Lakes. Ambio, 9(5): p. 248-249.

19 FROMM, P.O., 1980. A review of some physiological and toxicological responses of freshwater fish to acid stress. Env. Biol. Fish. 5(1): p. 79-93.

673 GLASS, G.E., O.L. LOUCKS, 1980. Impact of airborne pollutants on wilderness areas along the Minnesota - Ontario border. Environmental Research Laboratory; Duluth, MN. U.S. Environmental Protection Agency. EPA-600/3-80-044. 186 p.

594 GORHAM, Eville, 1976. Acid Precipitation and its Influence Upon Aquatic Ecosystems - An Overview. Water, Air, and Soil Pollution 6: p. 457-481.

227 HENDREY, G.R., R.F. WRIGHT, 1975. Acid Precipitation in Norway: Effects on Aquatic Fauna. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of lake Waters. Internat. Assoc. Great Lakes Res., 28 sept-1 oct 1975, Orillia, Ontario: p. 192-207.

10 HENDREY, George R., Kjeel BAALSRUD, Tor S. TRAAEN, Morten LAAKE & Gunar RADDUM, 1976. Acid Precipitation: Some Hydrobiological Changes. Ambio 5 (5-6): p. 224-227.

674 HENDREY, G.R., J.N. GALLOWAY, S.A. NORTON, C.L. SCHOFIELD, P.W. SHAFFER, D.A. BURNS, 1980. Geological and hydrochemical sensitivity of the eastern United States to acid precipitation. Brookhaven National Laboratory; Upton, N.Y.; U.S. Environmental Protection Agency, EPA-600/3-80-024. 90 p.

156 LEIVESTAD, H., G. HENDREY, I.P. MUNIZ, E. SNEKVIK, 1976. Effects of Acid Precipitation on Freshwater Organisms. In: Impact of Acid Precipitation on Forest and Freshwater Ecosystems in Norway. Braekke, F.(Ed). Research Report 6/76, p. 87-111.

613 SMITH, R.W., D.G. FREY, 1971. Acid mine pollution effects on lake biology. Indiana University for the Environmental Protection Agency, 132 p.

696 SWEDEN. SWEDISH MINISTRY OF AGRICULTURE, 1982. Acidification today and tomorrow. Study prepared for the 1982 Stockholm Conference. 231 p.

78 WRIGHT, R.F., Forstein DALE, Egil T. GJESSING, George R. HENDREY, Arne HENRIKSEN, Merete JOHNNESSEN, Ivar P. MUNIZ, 1976. Impact of Acid Precipitation on Freshwater Ecosystems in Norway. Water, Air and Soil Pollution 6 (2-4): p. 483-499.

2.2 Microorganismes

303 ABRAHAMSEN, G., R. HORNTVEDT, B. TVEITE, 1975. Impacts of acid precipitation on coniferous forest ecosystems. SNSF-Project, Rapport 2/75, Oslo: 15 p.

520 BAATH, E., B. LUNDGREN, B. SODERSTROM, 1979. Effects of Artificial Acid Rain on Microbial Activity and Biomass. Bulletin of Environmental Contamination and Toxicology, 23 (6): p. 737-740.

339 BRYANT, R.D., E.A. GORDY, E.J. LAISHLEY, 1979. Effect of Soil Acidification on the Soil Microflora. Water, Air and Soil Pollution 11 (4): p. 437-445.

144 GALLOWAY, J.N., 1977. Air Pollution: Impact on aquatic ecosystems. Proc. of the 32nd Annual Meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 211-215.

124 GRAY, T.R.G., P. INESON, 1981. The Effects of Sulphur Dioxide and Acid Rain on the Decomposition of Leaf Litter. J. Sci. Food Agric. 32(6): p. 624-625.

544 HALL, R.J., G.E. LIKENS, S.B. FIANCE, G.R. HENDREY, 1980. Experimental Acidification of a stream in the hubbard brook experimental forest. New Hampshire Ecology 61(4): p. 976-989.

305 HOVLAND, Jon, Yehia Zaki ISHAC, 1975. Effects of Simulated Acid Precipitation and Liming on Nitrification in Forest Soil. SNSF-Project, Rapport IR 14/75, Oslo: 15 p.

302 ISHAC, Yehia Saki, Jon HOVLAND, 1976. Effects of simulated acid precipitation and liming on pine litter decomposition. SNSF-Project, Rapport IR 24/76, Oslo: 20 p.

317 KEYSER, H.H., D.N. MUNNS, J.S. HOHENBERG, 1979. Acid Tolerance of Rhizobia in Culture and in Symbiosis with Cowpea. Soil Science Society of America Journal 43(4): p. 719-722.

646 LACY, G.H., B.I. CHEVONE, N.P. CANNON, 1981. Effects of simulated acidic precipitation on erwinia-herbicola and psendomonas-syringae populations. Phytopathology, 71(8): p. 888.

495 McMASTER UNIVERSITY, 1981. Aluminum: Chemistry, Analysis and Biology. Environmental Geochemistry Report: 174 p.

640 MITCHELL, M.J., D.H. LANDERS, D.F. BRODOWSKI, 1981. Sulfur constituents of sediments and their relationship to lake acidification. Water, Air and Soil Pollution, 16(3): p. 351-359.

315 SCHEIDER, W., J. ADAMSKI, M. PAYLOR, 1975. Reclamation of Acidified Lakes near Sudbury, Ontario. Ontario Ministry of the Environment: 129 p.

618 SHRINER, D.S., 1980. Terrestrial vegetation air pollutant interactions: nongazeous pollutants, wet deposition. Proceedings of International Conference on air pollutants and their effects on terrestrial ecosystems. Banff, Alberta, May 10-17.

64 STRAYER, R.F., C.J. LIN, M. ALEXANDER, 1981. Effect of simulated acid rain on nitrification and nitrogen mineralization in forest soils. J. Environ. Qual., 10(4): p. 547-551.

2.3 Phytoplancton

241 ADAMSKI, J.M., M.F.P. MICHALSKI, 1975. Reclamation of acidified lakes-Middle and Lohi, Sudbury, Ontario. Verhandlungen, Internationale Vereinigung fur Theoretische und Angewandte Limnologie 19: p. 1971-1983.

152 CONROY, N., L. MAKI, 1974. Extensive and Intensive Lake Studies in the Sudbury Area. Ontario Industrial Waste Conference: p. 138-143.

139 CONROY, N., W. KELLER, 1976. Geological Factors Affecting Biological Activity in Precambrien Shield Lakes. Canadian Mineralogist 14: p. 62-72.

581 CONWAY, H.L., G.R. HENDREY, 1981. Ecological effects of acid precipitation on primary producers. Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 22 p.

125 CRISMAN, T.L., P.L. BREZONIK, 1980. Acid Rain: Threat to Sensitive Aquatic Ecosystems. Proc. 73rd Annu. Meet. - Air Pollut. Control Assoc. June 22-27, 1980, Paper 80-24.3. 22 p.

563 DEL PRETE, A., C. SCHOFIELD, 1981. The utility of diatom analyses of lake sediments for evaluating acid precipitation effects on dilute lakes. Arch. Hydrobiol., 91(3): p. 332-340.

405 DICKSON, W., 1978. Some effects of the acidification of Swedish lakes. International association of theoretical & applied limnology, 20: p. 851-856.

425 DILLON, P.J., N.D. YAN. W.A. SCHEIDER, N. CONROY, 1977. Acidic Lakes in Ontario: Characterization, Extent, and Responses to Base and Nutrient Additions, Ontario Ministry of the Environment: 39 p.

535 FINDLAY, D.L., G. SAESURA, 1980. Effects on phytoplankton biomass, succession and composition in lake 223 as a result of lowering pH levels from 7,0 to 5,6. Data from 1974 to 1979. Canadian Manuscript Report of Fisheries & Aquatic Sciences no. 1585, Pêches et Océans, Winnipeg: 16 p.

544 HALL, R.J., G.E. LIKENS, S.B. FIANCE, G.R. HENDREY, 1980. Experimental Acidification of a stream in the hubbard brook experimental forest. New Hampshire Ecology 61(4): p. 976-989.

639 JANSSON, M., H. OLSSON, O. BROBERG, 1981. Characterization of acid phosphatases in the acidified lake Gardsjon Sweden. Archiv Fuer Hydrobiologie, 92(3): p. 377-395.

202 KWIATKOWSKI, R.E., J.C. ROFF, 1976. Effects of Acidity on the Phytoplankton and Primary Productivity of Selected Northern Ontario Lakes. Canadian Journal of Botany 54: p. 2546-2561.

725 MAGNAN, P., 1982. Etude de la sensibilité aux précipitations acides de 22 lacs du Parc national de la Mauricie. Environnement Canada, Direction générale des eaux intérieures, région du Québec. 44 p.

495 McMASTER UNIVERSITY, 1981. Aluminum: Chemistry, Analysis and Biology. Environmental Geochemistry Report: 174 p.

433 MICHALSKI, M.F.P., J. ADAMSKI, 1974. Restoration of Acidified Lakes, Middle and Lohi in the Sudbury Area. In: Ontario Industrial Wastes Conferences: p. 163-175.

232 OUELLET, M., M. DICKMAN, 1980. The Impact of Lake Acidification as Reflected by the Fossil Microbiota of Lac Laflamme, Québec: 6 p.

163 RODHE, W., 1981. Reviving Acidified Lakes. Ambio 10(4): p. 195-196.

315 SCHEIDER, W., J. ADAMSKI, M. PAYLOR, 1975. Reclamation of Acidified Lakes near Sudbury, Ontario. Ontario Ministry of the Environment: 129 p.

422 SCHEIDER, W., P.J. DILLON, 1976. Neutralization and fertilization of Acidified lakes near Sudbury, Ontario. Proc. 11th Canadian Symp. Water Poll. Research Canada, 11: p. 93-100.

548 SCHEIDER, W.A., J. JONES, B. CAVE, 1976. A Preliminary Report on the Neutralization of Nelson Lake near Sudbury, Ontario, 1976. Ontario Ministry of the Environment, Limnology and Toxicity Section, Water Resources Branch: 36 p.

545 VAN DAM, H., G. SUURMOND, C.J.F. TERBRAAK, 1981. Impact of acidification on diatoms and chemistry of Dutch moorland pools. Hydrobiologia, 83(3): p. 425-459.

753 VAUGHAN, H.H., J.K. UNDERWOOD, J.G. OGDEN, III, 1982. Acidification of Nova Scotia lakes I: Response of diatom assemblages in the Halifax area. Water, Air, And Soil Pollution 18: p. 353-361.

166 WHITBY, L.M., P.M. STOKES, T.C. HUTCHINSON, G. MYSLIK, 1976. Ecological Consequence of Acidic and Heavy-Metal Discharges from the Sudbury Smelters. Canadian Mineralogist 14: p. 47-57.

296 WRIGHT, R.F., T. DALE, A. HENRIKSEN, G.R. HENDREY, E.T. GJESSING, M. JOHANNESSEN, C. LYSHOLM, E. STOREN, 1977. Regional Surveys of small Norwegian lakes October 1974, March 1975, March 1976, and March 1977. SNSF-Project, IR 33/77, Oslo: 467 p.

160 YAN, N.D., P.M. STOKES, 1976. The Effect of pH on Lake Water Chemistry and Phytoplankton in a La Cloche Mountain Lake. Water Pollution Research Canada 11: p. 127-137.

149 YAN, Normand David, Pamela STOKES, 1978. Phytoplankton of an Acidic Lake, and its Responses to Experimental Alterations of pH. Environmental Conservation 5 (2): p. 93-100.

549 YAN, N.D., 1979. Phytoplankton Community of an Acidified, Heavy Metal - Contaminated Lake near Sudbury, Ontario: 1973-1977. Water, Air and Soil Pollution 11: p. 43-55.

449 YAN, N.D., R. STRUS, 1980. Crustacean Zooplankton Communities of Acidic, Metal - Contaminated Lakes Near Sudbury, Ontario. Can. J. Fish. Aquat. Sci., 37: p. 2282-2293.

704 ZIMMERMAN, A.P., 1982. Sensitivity to Acidification of Waters of Ontario and Neighboring States II: An Analysis of Data Set Variance and Prediction of Acid Sensitive Lake Areas. Dept. of Zoology, University of Toronto for Ontario Hydro. 109 p.

2.4 Macrophytes

581 CONWAY, H.L., G.R. HENDREY, 1981. Ecological effects of acid precipitation on primary producers. Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 22 p.

177 GORHAM, E., A.G. GORDON, 1963. Some Effects of Smelter Pollution upon Aquatic Vegetation near Sudbury, Ontario. Canadian Journal of Botany 41: p. 371-378.

186 GRAHN, O., 1977. Macrophyte Succession in Swedish Lakes Caused by Deposition of Airborne Acid Substances. Water, Air and Soil Pollution 7 (3): p. 295-305.

578 HARGREAVES, J.W., E.J.H. LLOYD and B.A. WHITTON, 1975. Chemistry and Vegetation of Highly Acidic Streams. Freshwat. Biol. 5: p. 563-576.

338 HULTBERG, H., O. GRAHN, 1976. Effects of acid Precipitation on Macrophytes in Oligotrophic Swedish Lakes. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 208-221.

138 MORLING, G., 1981. Effects of acidification on some lakes in western Sweden. Vatten 37(1): p. 25-38.

42 NICHOLS, Jr. L.E., F.J. Bulow, 1973. Effects of Acid Mine Drainage on the Stream Ecosystem of the East Fork of the Obey River, Tennessee. Journal of the Tennessee Academy of Science. 48(1): p. 30-39.

94 SYLVESTRE, A., 1981. Interprétation des données physico-chimiques de 24 lacs du Sud du Québec étudiés dans le cadre du programme des précipitations acides du service canadien de la faune. Environnement Canada, Service canadien de la faune, Région du Québec. 110 p.

623 WALLSTEN, M., 1981. Changes of lakes in Uppland Central Sweden during 40 years. Acta Universitatis Upsaliensis Symbolae Botanicae Upsalienses, 23(3): 83 p.

2.5 Zooplancton

609 BEAVER, J.R., T.L. CRISMAN, 1981. Acid precipitation and the response of ciliated protozoans in Florida lakes. Verh. Internat. Verin. Limnol., 21: p. 353-358.

543 CARTER, J.C.H., 1971. Distribution and Abundance of planktonic Crustacea in ponds near Georgian Bay (Ontario, Canada) in relation to hydrography and water chemistry. Arch. Hydrobiol. 68(2): p. 204-231.

139 CONROY, N., W. KELLER, 1976. Geological Factors Affecting Biological Activity in Precambrien Shield Lakes. Canadian Mineralogist 14: p. 62-72.

125 CRISMAN, T.L., P.L. BREZONIK, 1980. Acid Rain: Threat to Sensitive Aquatic Ecosystems. Proc. 73rd Annu. Meet. - Air Pollut. Control Assoc. June 22-27, 1980, Paper 80-24.3. 22 p.

267 DE COSTA, J., 1975. The crustacean plankton of an acid reservoir. Verh. INternat. Verein. Limnol. 19: p. 1805-1813.

266 DE COSTA, J., A. JANICKI, 1978. Population dynamics and age structure of Bosmina longirostris in an acid Water impoundment. Verh. Internat. Verein. Limnol. 20: p. 2479-2483.

425 DILLON, P.J., N.D. YAN. W.A. SCHEIDER, N. CONROY, 1977. Acidic Lakes in Ontario: Characterization, Extent, and Responses to Base and Nutrient Additions, Ontario Ministry of the Environment: 39 p.

466 DODSON, S.I., 1982. Chemical and biological limnology of six west-central Colorado Mountain Ponds and their susceptibility to acid rain. The American Midland Naturalist, 107(1): p. 137-179.

143 GROTERUD, Olav, 1972. Zooplankton and Fish in relation to Acid Melt Water and Anaerobic Deep Water in a Lake. Vatten 4: p. 329-332.

88 HAGEN, Arne, Arnfinn LANGELAND, 1973. Polluted Snow in Southern Norway and the Effect of the Meltwater on Freshwater and Aquatic Organisms. Environmental Pollution 5: p. 45-57.

750 HENRIKSON, L., J.B. OLOFSSON, H.G. OSCARSON, 1982. The impact of acidification on chironomidae (diptera) as indicated by subfossil stratification. Hydrobiologia 86(3): p. 223-229.

268 JANICKI, A., J. DE COSTA, 1979. A multivariate analysis of the crustacean plankton community of an acid reservoir. Arch. Hydrobiol. 85(4): p. 465-481.

495 McMASTER UNIVERSITY, 1981. Aluminum: Chemistry, Analysis and Biology. Environmental Geochemistry Report: 174 p.

45 PARENT, S., R.D. CHEETHAM, 1980. Effects of Acid Precipitation on Daphnia magna. Bull Environm. Contam. Toxicol. 25: p. 298-304.

512 PARSONS, J.D., 1976. Effects of Acid-Mine Wastes an Aquatic Ecosystems. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 571-595.

751 RADDUM, G.G., O.A. SAETHER, 1981. Chironomid communities in Norwegian lakes with different degrees of acidification. Verh. Internat. Verein. Limnol. 21(1): p. 399-405.

315 SCHEIDER, W., J. ADAMSKI, M. PAYLOR, 1975. Reclamation of Acidified Lakes near Sudbury, Ontario. Ontario Ministry of the Environment: 129 p.

422 SCHEIDER, W., P.J. DILLON, 1976. Neutralization and fertilization of Acidified lakes near Sudbury, Ontario. Proc. 11th Canadian Symp. Water Poll. Research Canada, 11: p. 93-100.

548 SCHEIDER, W.A., J. JONES, B. CAVE, 1976. A Preliminary Report on the Neutralization of Nelson Lake near Sudbury, Ontario, 1976. Ontario Ministry of the Environment, Limnology and Toxicity Section, Water Resources Branch: 36 p.

235 SPRULES, W.G., 1975. Midsummer Crustacean Zooplankton Communities in Acid-Stressed Lakes. J. Fish. Res. Board Can. 32(3): p. 389-395.

243 SPRULES, W.G., 1975. Factors affecting the structure of limnetic crus-tacean Zooplankton communities in central Ontario lakes. Verh. Internat. Verein. Limnol. 19: p. 635-643.

296 WRIGHT, R.F., T. DALE, A. HENRIKSEN, G.R. HENDREY, E.T. GJESSING, M. JOHANNESSEN, C. LYSHOLM, E. STOREN, 1977. Regional Surveys of small Norwegian lakes October 1974, March 1975, March 1976, and March 1977. SNSF-Project, IR 33/77, Oslo: 467 p.

449 YAN, N.D., R. STRUS, 1980. Crustacean Zooplankton Communities of Acidic, Metal - Contaminated Lakes Near Sudbury, Ontario. Can. J. Fish. Aquat. Sci., 37: p. 2282-2293.

2.6 Invertébrés

254 BELL, H.L., 1970. Effects of pH on the life cycle of the midge Tanytarsus Dissimilis. The Canadian Entomologist 102: p. 636-639.

37 CARRITHERS, R.B., F.J. BULOW, 1973. An Ecological Survey of the West Fork of the Obey River, Tennessee with Emphasis on the Effects of Acid Mine Drainage. Journal of the Tennessee Academy of Science 48(2): p. 65-72.

152 CONROY, N., L. MAKI, 1974. Extensive and Intensive Lake Studies in the Sudbury Area. Ontario Industrial Waste Conference: p. 138-143.

125 CRISMAN, T.L., P.L. BREZONIK, 1980. Acid Rain: Threat to Sensitive Aquatic Ecosystems. Proc. 73rd Annu. Meet. - Air Pollut. Control Assoc. June 22-27, 1980, Paper 80-24.3. 22 p.

382 FIANCE, S.B., 1978. Effects of pH on the biology and distribution of Ephemerella funeralis (Ephemeroptera). Oikos, 31(3): p. 332-339.

144 GALLOWAY, J.N., 1977. Air Pollution: Impact on aquatic ecosystems. Proc. of the 32nd Annual Meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 211-215.

610 GROTERUD, O., 1981. The dynamics of acidification from a new view elucidated by studies in a lake area in Norway. Verh. Internat. Verein. Limnol., 21: p. 406-411.

88 HAGEN, Arne, Arnfinn LANGELAND, 1973. Polluted Snow in Southern Norway and the Effect of the Meltwater on Freshwater and Aquatic Organisms. Environmental Pollution 5: p. 45-57.

544 HALL, R.J., G.E. LIKENS, S.B. FIANCE, G.R. HENDREY, 1980. Experimental Acidification of a stream in the hubbard brook experimental forest. New Hampshire Ecology 61(4): p. 976-989.

517 HARP, G.L., R.S. CAMPBELL, 1967. The distribution of Tendipes plumosus (Linné) in mineral acid water. Lilmnology and Oceanography 12(4): p. 260-263.

652 HARRIMAN, R., B.R.S. MORRISON, 1982. Ecology of streams draining forested and non-forested catchments in an area of central Scotland subject to acid precipitation. Hydrobiologia, 88(3): p. 251-263.

97 JEFFRIES, D.S., C.M. COX, P.J. DILLON, 1979. Depression of pH in Lakes and Streams in Central Ontario during Snowmelt. Journal of the Fisheries Research Board of Canada 36 (6): p. 640-646.

42 NICHOLS, Jr. L.E., F.J. BULOW, 1973. Effects of Acid Mine Drainage on the Stream Ecosystem of the East Fork of the Obey River, Tennessee. Journal of the Tennessee Academy of Science. 48(1): p. 30-39.

512 PARSONS, J.D., 1976. Effects of Acid-Mine Wastes an Aquatic Ecosystems. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 571-595.

157 SUTCLIFFE, D.W., T.R. CARRICK, 1973. Studies on Mountain Streams in the English Lake District, I. pH, Calcium and the Distribution of Invertebrates in the River Duddon. Freshwater Biology 3: p. 437-462.

158 SUTCLIFFE, D.W., T.R. CARRICK, 1973. Studies on Mountain Streams in the English Lake District, III. Aspects of Water Chemistry in Brownrigg Well, Whelpside Ghyll. Freshwater Biology 3: p. 561-568.

570 TOMKIEWICZ, Jr., S.M., W.A. DUNSON, 1977. Aquatic Insect Fiversity and Biomass in a Stream Marginally Polluted by Acid Strip Mine Drainage. Water Research 11: p. 397-402.

547 VANGENECHTEN, J.H.D., S. VAN PUYMBROECK, O.L.J. VANDERBORGHT, 1979. Effect of pH on the uptake of sodium in the waterbugs corixa dentipes (Thoms.) and corixa punctata (Illig.) (Hemiptera Heteroptera). Comparative Biochemistry and Physiology 64A: p. 509-521.

394 WIEDERHOLM, T., L. ERIKSSON, 1977. Benthos of an Acid Lake. Oikos, 29: p. 261-267.

449 YAN, N.D., R. STRUS, 1980. Crustacean Zooplankton Communities of Acidic, Metal - Contaminated Lakes Near Sudbury, Ontario. Can. J. Fish. Aquat. Sci., 37: p. 2282-2293.

2.7 Poissons

643 AKIELASZEK, J.J., T.A. HAINES, 1981. Mercury in the muscle tissue of fish from three northern Maine lakes. Bulletin of Environmental Contamination and Toxicology, 27(2): p. 201-108.

458 ARNOLD D.E., R.W. LIGHT, V.J. DYMOND, 1980. Probable Effects of Acid Precipitation on Pennsylvania Waters, EPA-600/3 80-012, Corvallis Environmental Research Laboratory: 20 p.

331 BAKER, J.P., 1981. Aluminum toxicity to fish as related to acid precipitation and Adirondack surface water quality. Thesis presented to the faculty of the graduate school of Cornell University, Ithaca, N.Y., U.S.A. 461 p.

51 BAKSI, W.F., J. RICHARDS, G. CRAIG, J. REINKE, 1978. Suitability of Water Quality in two Reclaimed Lakes in the Sudbury Area for Maintaining Fish Populations. Technical Bulletin 6-78. Ontario Ministry of the Environment, Limnology and Toxicity Section: 13 p.

595 BEAMISH, Richard J., and Harold H. HARVEY, 1972. Acidification of the La Cloche Mountain Lakes, Ontario, and Resulting Fish Mortalities. Journal Fisheries Research Board of Canada 29(8): p. 1131-1143.

90 BEAMISH, Richard J., 1972. Lethal pH for the White Sucker Catostomus Commersoni (Lacépède). Trans-American Fisheries Society 101 (2): p. 335-358.

259 BEAMISH, R.J., 1974. Loss of Fish Populations from Unexploited Remote Lakes in Ontario, Canada as a Consequence of Atmospheric Fallout of Acid. Water Research 8: p. 85-95.

383 BEAMISH, R.J., 1974. Growth and Survival of White Suckers (Catostomus commersoni) in an Acidified Lake. J. Fish, Res. Board Can., 31(1): p. 49-54.

111 BEAMISH, R.J., W.L. LOCKHART, J.C. VAN LOON, H.H. HARVEY, 1975. Long-Term Acidification of a Lake and Resulting Effects on Fishes. Ambio 4(2): p. 98-102.

534 BEAMISH, R.J., G.A. McFARLANE, J.C. VAN LOON, J. LICHWA, 1975. An Examination of the possible effects of Sudbury nickel mining and smelting operations on fishes and the Water Chemistry of lakes within the whitefish lake indian reserve. Environnement Canada, Service des Pêches et des Sciences de la mer. Rapport technique no. 579: 52 p.

596 BEAMISH, Richard J., 1976. Acidification of Lakes in Canada by Acid Precipitation and the Resulting Effects on Fishes. Water, Air, and Soil Pollution 6: p. 501-514.

102 BROWN, D.J.A., K. SADLER, 1981. The chemistry and fishery status of acid lakes in Norway and their relationship to european sulphur emissions. Journal of Applied Ecology 18: p. 433-441.

210 BROWN, D.J.A., S. LYNAM, 1981. The effect of sodium and calcium concentrations on the hatching of eggs and the survival of the yolk sac fry of brown trout, Salmo trutta L. at low pH. J. Fish Biol. 19(2): p. 205-211.

279 CARRICK, T.R., 1979. The effect of acid Water on the hatching of salmonid eggs. J. Fish. Biol. 14: p. 165-172.

577 CARRICK, T.R., 1981. Oxygen Consumption in the Fry of Brown Trout (Salmo Trutta L.) Related to pH of the Water. J. Fish Biol. 18: p. 73-80.

37 CARRITHERS, R.B., F.J. BULOW, 1973. An Ecological Survey of the West Fork of the Obey River, Tennessee with Emphasis on the Effects of Acid Mine Drainage. Journal of the Tennessee Academy of Science 48(2): p. 65-72.

540 CHARETTE, J-Y., M. LAGACE, 1981. Sommaire du résultat préliminaire des travaux sur l'impact des précipitations acides sur la faune piscicole du Québec (octobre 1980 - janvier 1981). Gouvernement du Québec: 18 p.

134 CHARETTE, J.Y., 1981. L'impact des précipitations acides sur la faune ichtyenne du Québec. Texte de la conférence présentée à l'atelier sur la gestion de l'Omble de fontaine, Duchesnay, Québec le 18 novembre 1981. 37 p.

135 CHARETTE, J.Y., 1981. Observations préliminaires sur l'impact potentiel des précipitations acides sur la faune ichtyenne du parc national de la Mauricie. Environnement Canada, Direction générale des eaux intérieures. Région du Québec. 17 p.

152 CONROY, N., L. MAKI, 1974. Extensive and Intensive Lake Studies in the Sudbury Area. Ontario Industrial Waste Conference: p. 138-143.

387 CRAIG, G.R., W.F. Baksi, 1977. The effects of depressed pH on Flagfish reproduction, Growth and survival. Water Research, 11(8): p. 621-626.

125 CRISMAN, T.L., P.L. BREZONIK, 1980. Acid Rain: Threat to Sensitive Aquatic Ecosystems. Proc. 73rd Annu. Meet. - Air Pollut. Control Assoc. June 22-27, 1980, Paper 80-24.3. 22 p.

146 CRONAN, C.S., C.L. SCHOFIELD, 1979. Aluminum Leaching Response to Acid Precipitation: Effects on High - Elevation Water - sheds in the Northeast. Science, 204: p. 304-306.

208 DAHL, K., 1927. The Effects of Acid Water on Trout Fry. Salmon and Trout Magazine 46: p. 35-43.

33 DAYE, P.G., E.T. GARSIDE, 1976. Histopathologic changes in surficial tissues of brook trout, Salvelinus fontalinus (Mitchill), exposed to acute and chronic levels of pH. Can. J. Zool. 54: p. 2140-2155.

246 DAYE, P.G., E.T. GARSIDE, 1977. Lower Lethal levels of pH for embryos and alevins of Atlantic salmon, (Salmo salar L.) Canadian Journal of Zoology 55(9): p. 1504-1508.

236 DAYE, P.G., E.T. GARSIDE, 1979. Development and Survival of embryos and Alevins of the Atlantic Salmon, (Salmo salar L.), continuously exposed to acidic levels of pH, from fertilization. Canadian Journal of Zoology 57(9): p. 1713-1718.

221 DAYE, P.G., 1980. Attempts to Acclimate Embryos and Alevins of Atlantic Salmon, (Salmo Salar), and Rainbow Trout, (S. Gairdneri), to low pH. Canadian Journal of Fisheries and Aquatic Sciences 37(6): p. 1035-1038.

556 DAYE, P.G., 1980. Effects of Ambient pH on Fish: An Annoted Bibliography. Canadian Tech. Report of Fisheries and Aquatic Sciences no. 950, St-Andrews, N.B.: 28 p.

239 DAYE, P.G., E.T. GARSIDE, 1980. Structural Alterations in embryos and alevins of the Atlantic salmon, (Salmo salar L.), induced by continuous or short-term exposure to acidic levels of pH. Canadian journal of Zology 58(1): p. 27-43.

405 DICKSON, W., 1978. Some effects of the acidification of Swedish lakes. International association of theoretical & applied limnology, 20: p. 851-856.

233 DRISCOLL, Jr. C.T., J.P. BAKER, J.J. BISOGNI Jr., C.L. SCHOFIELD, 1980. Effect of Aluminium Speciation on Fish in Dilute Acidified Waters. Nature 284: p. 161-164.

687 DRYSDALE, C., 1980. The brook trout (Salvelinus fontinalis) and low environmental pH; A literature review and discussion. Canadian Wildlife Service, Kejimkujik National Park. 12 p.

293 EDWARDS, D.J., S. HJELDNES, 1977. Growth and survival of salmonids in water of different pH. SNSF-Project, rapport FR 10/77, Oslo: 12 p.

260 FALK, D.L., W.A. DUNSON, 1977. The Effects of Season and Acute SubLethal Exposure on Survival Times of Brook Trout at Low pH, Water Research 11: p. 13-15.

19 FROMM, P.O., 1980. A review of some physiological and toxicological responses of freshwater fish to acid stress. Env. Biol. Fish. 5(1): p. 79-93.

144 GALLOWAY, J.N., 1977. Air Pollution: Impact on aquatic ecosystems. Proc. of the 32nd Annual Meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 211-215.

564 GJEDREM, T, 1976. Genetic variation in tolerance of brown trout to acid water. SNSF - project, Research Report 5/76, Oslo: 11 p.

155 GJESSING, E.T., A. HENRIKSEN, M. JOHANNESSEN, R. WRIGHT, 1976. Effects of Acid Precipitation on Freshwater Chemistry. In: Impact of Acid Precipitation on Forest and Freshwater Ecosystems in Norway. Braekke, F.(Ed). Research Report 6/76 p. 65-85.

588 GJESSING, E.T., 1981. The effect of aquatic humus on the biological availability of cadmium. Arch. Hydrobiol., 91(2): p. 144 - 149.

527 GRANDE, M., I.P. MUNIZ, S. ANDERSEN, 1978. Relative tolerance of some salmonids to acid waters. Verh. Internat. Verein. Limnol. 20: p. 2076-2084.

409 GRANDE, M., S. ANDERSEN, 1979. Toxicity of Acid Snowmelt Water to Brown Trout (Salmo trutta L.). Vatten, 1: p. 27.32.

569 GRANDE, M., S. ANDERSEN, 1981. Lethal levels of pH for Atlantic salmon. Vatten, 37(2): p. 109-114.

143 GROTERUD, Olav, 1972. Zooplankton and Fish in relation to Acid Melt Water and Anaerobic Deep Water in a Lake. Vatten 4: p. 329-332.

366 GUNN, J.M., W. KELLER, 1980. Enhancement of the Survival of Rainbow Trout (Salmo gairdneri) Eggs and Fry in an Acid Lake through Incubation in Limestone. Can. J. Fish. Aquat. Sci., 37: p. 1522-1530.

516 GUNN, J.M., W. KELLER, 1981. Emergence and survival of lake trout (salvelinus namaycush) and brook trout (S. fontinalis) from artificial substrates in an acid lake. Ontario fisheries technical report series, (1): 9 p.

88 HAGEN, Arne, Arnfinn LANGELAND, 1973. Polluted Snow in Southern Norway and the Effect of the Meltwater on Freshwater and Aquatic Organisms. Environmental Pollution 5: p. 45-57.

482 HARRIMAN, R., B.R.S. MORRISON, 1981. Forestry, fisheries and acid rain in Scotland. Scottish Forestry, 35(2): p. 89-95.

652 HARRIMAN, R., B.R.S. MORRISON, 1982. Ecology of streams draining forested and non-forested catchments in an area of central Scotland subject to acid precipitation. Hydrobiologia, 88(3): p. 251-263.

131 HARVEY, Harold H., 1975. Fish Populations in a Large Group of Acid-stressed lakes. Verh Internat. Véréin. Limnol. 19: p. 2406-2417.

446 HARVEY, H.H., 1979. The acid deposition problem and emerging research needs in the toxicology of fishes. Proc. Fifth Annual Aquatic Toxicity Workshop, Hamilton, Ontario, Nov. 7-9, 1978. Fish. Mar. Serv. Tech. Rep. 862: p. 115-128.

442 HAYA, K., B.A. WAIWOOD, 1981. Acid pH and chorionase activity of Atlantic salmon (salmo-salar) eggs. Bulletin of Environmental Contamination and Toxicology, 27(1): p. 7-12.

165 HULTBERG, H., 1977. Thermally Stratified Acid Water in Late winter - A Key Factor Inducing Self-Accelerating Processes which Increase Acidification. Water, Air and Soil Pollution 7: p. 279-294.

133 IASF, 1981. Acid Rain and the Atlantic Salmon. Proceedings of a Conference held November 22-23, 1980. Portland, Maine. International Atlantic Salmon Foundation Special Publication 10. 174 p.

66 JACOBSEN, O.J., 1977. Brown Trout (Salmo Trutta L.) Growth at Reduced pH. Aquaculture 11(1): p. 81-84.

97 JEFFRIES, D.S., C.M. COX, P.J. DILLON, 1979. Depression of pH in Lakes and Streams in Central Ontario during Snowmelt. Journal of the Fisheries Research Board of Canada 36 (6): p. 640-646.

113 JENSEN, K.W., E. SNEKVIK, 1972. Low pH Levels Wipe out Salmon and Trout Populations in southernmost Norway. Ambio 1(6): p. 223-225.

377 JERNELOV, A., 1980. The Effects of Acidity on the Uptake of Mercury in Fish, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 211-222.

225 JOHANNESSEN, M., T. DALE, E.T. GJESSING, A. HENRIKSEN, R.F. WRIGHT, 1975. Acid Precipitation in Norway: the regional distribution of contaminants in snow and the chemical concentration processes during snowmelt. In: Isotopes et impuretés dans les neiges et glaces, Actes du colloque de Grenoble, août/septembre 1975: p. 116-120.

29 JOHANSSON, N., J.E. KIHLSTROM, A. WAHLBERG, 1973. Low pH Values Shown to Affect Developing Fish Eggs (Brachydanio rerio Ham. - Buch.). Ambio 2 (1-2): p. 42-43.

255 JOHANSSON, N., J.E. KIHLSTROM, 1975. Pikes (Esox lucius L.) Shown to be Affected by low pH Values during First Weeks after Hatching. Environmental Resarch 9: p. 12-17.

273 JOHANSSON, N., G. MILBRINK, 1976. Some Effects of Acidified Water on the Early Development of Roach (Rutilus rutilus L.) and Perch (Perca Fluviatilis L.). Water Resources Bulletin 12(1): p. 39-47.

264 JOHANSSON, N., P. RUNN, G. MILBRINK, 1977. Early Development of Three Salmonid Species in Acidified Water. Zoon 5(2): p. 127-132.

39 JOHNSON, D.W., D.A. WEBSTER, 1977. Avoidance of Low pH in Selection of Spawning Sites by Brook Trout (Salvelinus fontinalis). J. Fish. Res. Board Can. 34: p. 2215-2218.

257 JORDAN, D.H.M., R. LLOYD, 1964. The Resistance of Rainbow Trout (Salmo gairdnerii Richardson) and Roach (Rutilus rutilus (L.)) to Alkaline Solutions. Int. J. Air Wat. Poll., 8: p. 405-409.

450 KENNEDY, L.A., 1980. Teratogenesis in Lake Trout (Salvelinus namaycush) in an Experimentally Acidified Lake. Can. J. Fish. Aquat. Sci., 37: p. 2355-2358.

237 KWAIN, Wen-Hwa, 1975. Effects of Temperature on Development and Survival of Rainbow Trout, (Salmo gairdneri) in Acid Waters. Journal of Fisheries Research board of Canada 32(4): p. 493-497.

47 LEE, R.M., S.D. GERKING, 1980. Sensitivity of fish eggs to acid stress. Water Research 14: p. 1679-1681.

213 LEIVESTAD, H., I.P. MUNIZ, 1976. Fish Kill at Low pH in a Norwegian River. Nature 259: p. 391-392.

58 LEWIS, W.M., C. PETERS, 1956. Coal Mine Slag Drainage (Toxicity to representative fishes). Industrial Wastes. March-April. p. 145-147.

417 LOCKHART, W.L., A. LUTZ, 1975. Preliminary Biochemical observations of fishes inhabiting an acidified lake in Ontario, Canada. In: Proc. of the First International Symp. on Acid Precipitation and the Forest Ecosystem, Dochinger, L.S., T.A. Seliga, eds.; U.S. Department of Agriculture, Forest Service Gen. Tech. Report, NE-23, 1976. p. 545-569.

358 McDONALD, D.G., C.M. WOOD, 1981. Branchial and Renal Acid and Ion Fluxes in the Rainbow Trout, Salmo Gairdneri,at low environmental pH. J. Exp. Biol. 93: p. 101-118.

263 MILBRINK, G., N. JOHANSSON, 1975. Some Effects of Acidification on Roe of Roach, (Rutilus rutilus L.), and Perch, (Perca fluviatilis L.) With Special Reference to the Avaa Lake System in Eastern Sweden. Fish. Board Swed. Inst. Freshwater Res. Drottingholm Rep. 54: p. 52-62.

334 MINNS, C.K., 1981. Acid Rain: A preliminary Estimate of the Risk to Ontario's Inland Fisheries. Can. MS Rep. Fish. Aquat. Sci. 1622: 36 p.

258 MOUNT, D.I., 1973. Chronic Effect of Low pH on Fathead Minnow Survival, Growth and Reproduction. Water Research 7: p. 987-993.

495 McMASTER UNIVERSITY, 1981. Aluminum: Chemistry, Analysis and Biology. Environmental Geochemistry Report: 174 p.

528 McWILLIAMS, P.G., 1980. Acclimation to an acid medium in the brown trout Salmo trutta. J. exp. Biol. 88: p. 269-280.

529 McWILLIAMS, P.G., 1980. Effects of pH on sodium uptake in norwegian brown trout (Salmo trutta) from an acid river. J. exp. Biol. 88: p. 259-267.

222 NEVILLE, C.M., 1979. Sublethal Effects of Environmental Acidification on Rainbow Trout (Salmo gairdneri). Journal of The Fisheries Research Board of Canada 36(1): p. 84-87.

42 NICHOLS, Jr. L.E., F.J. Bulow, 1973. Effects of Acid Mine Drainage on the Stream Ecosystem of the East Fork of the Obey River, Tennessee. Journal of the Tennessee Academy of Science. 48(1): p. 30-39.

474 PANKO, A.W., 1980. Mercury uptake by Fish in Acidified Lake Ecosystems, in: Environmental Geochemistry Report, McMaster University: 43 p.

512 PARSONS, J.D., 1976. Effects of Acid-Mine Wastes an Aquatic Ecosystems. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 571-595.

223 PETERSON, R.H., P.B. DAYE, J.L. METCALFE, 1980. Inhibition of Atlantic Salmon (Salmo salar) Hatching at Low pH. Canadian Journal of Fisheries and Aquatic Sciences 37(5): p. 770-774.

712 PFEIFFER, M.H., P.J. FESTA, 1980. Acidity status of lakes in the Adirondack region of New-York in relation to fish resources. New York State Department of Environmental Conservation. 36 p.

555 POWELL, J.J., 1976. Preliminary report on the effects of neutralization on the fish community of Nelson lake, near Sudbury, Ontario. Ministry of Natural Resources, Fish and Wildlife Branch, Sudbury, Ontario: 38 p.

699 RICHARD, Y., 1982. Relations entre le niveau d'acidité de 158 lacs du parc des Laurentides et l'évolution de leurs statistiques de pêche au cours des neuf dernières années. Ministère de l'Environnement du Québec, Direction générale des inventaires et de la recherche, service de la qualité des eaux, PA-5. 115 p.

205 ROBINSON, G.D., W.A. DUNSON, J.E. WRIGHT, G.E. MAMOLITO, 1976. Difference in Low pH Tolerance Among Strains of Brook Trout (Salvelinus Fontinalis). J. Fish. Biol. 8: p. 5-17.

265 RUNN, P., N. JOHANSSON, G. MILBRINK, 1977. Some Effects of low pH on the Hatchability of Eggs of Perch (Perca Fluviatilis L.). Zoon 5(2): p. 115-125.

46 RYAN, P.M., H.H. HARVEY, 1977. Growth of Rock Bass, Ambloplites rupestris, in Relation to the Morphoedaphic Index as an Indicator of an Environmental Stress. J. Fish. Res. Board Can. 34: p. 2079-2088.

56 RYAN, P.M., H.H. HARVEY, 1980. Growth responses of yellow perch, Perca flavescens (Mitchill), to lake acidification in the La Cloche Mountain Lakes of Ontario. Env. Biol. Fish. 5(2): p. 97-108.

589 RYAN, P.M., H.H. HARVEY, 1981. Factors accounting for variation in the growth of rock bass (Ambloplites rupestris) and yellow perch (Perca flavescens) in the acidifying La Cloche Mountain Lakes of Ontario, Canada. Verh. Internat. Verein. Limnol., 21: p. 1231 - 1237.

240 SANO, H., 1976. The role of pH on the acute Toxicity of Sulfite in Water. Water Research 10: p. 139-142.

168 SCHEIDER, W.A., D.S. JEFFRIES, P.J. DILLON, 1979. Effects of Acidic Precipitation on Precambrian Freshwaters in Southern Ontario. Journal of great Lakes Research 5 (1): p. 45-51.

9 SCHOFIELD, Carl L., 1976. Acid Precipitation: Effects on Fish. Ambio 5(5-6): p. 228-230.

108 SCHOFIELD, Carl, L., 1977. Acid snow - Melt Effects on Water Quality and Fish Survival in the Adirondack Mountains of New-York State. 1977 U.S. National Technical information service, completion report, PB-277 801.

372 SCHOFIELD, C.L., J.R. TROJNAR, 1980. Aluminum Toxicity to Brook Trout (Salvelinus fontinalis) in Acidified Waters, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 341-366.

571 SCHOFIELD, Jr., L.L., 1965. Water Quality in Relation to Survival of Brook Trout (Salvelinus fontinalis (Mitchill). Transaction of the American Fisheries Society 94: p 227-235.

587 SOHTELL, M., P. RUNN, 1981. Sodium and potassium transport in brown trout yolc sac fry. Acta Physiol. Scand., 112(2): p. 24A.

243 SPRULES, W.G., 1975. Factors affecting the structure of limnetic crus-tacean Zooplankton communities in central Ontario lakes. Verh. Internat. Verein. Limnol. 19: p. 635-643.

630 SPRY, D.J., C.M. WOOD, P.V. HODSON, 1981. The effects of environmental acid on freshwater fish with particular reference to the softwater lakes in Ontario and the modifying effects of heavy metals. A literature review. Canadian Technical Report of Fisheries and Aquatic Sciences, no. 999. 144 p.

438 STASSEN, G.M., 1974. Aspects of Sudbury Environmental Degradation Problems as Relates to the Aquatic Communities. Report for the Ont. Ministry of Natural Resources: 70 p.

244 SWARTS, F.A., W.A. DUNSON, J.E. WRIGHT, 1978. Genetic and Environmental Factors Involved in Increased Resistance of Brook Trout to Sulfuric Acid Solutions and Mine Acid Polluted Waters. Transactions of the American Fisheries Society 107(5): p. 651-677.

398 TROJNAR, J.R., 1977. Egg and Larval Survival of White Suckers (Catostomus commersoni) at Low pH. J. Fish. Res. Board Can., 34: p. 262-266.

238 TROJNAR, J.R., 1977. Egg Hatchability and Tolerance of Brook Trout (Salvelinus Fontinalis) Fry at low pH. Journal of Fisheries Research Board of Canada 34(4): p. 574-579.

93 TURNER, W.R., 1958. The effects of acid mine pollution on the fish population of goose creek, clay county, Kentucky. The Progressive Fish-Culturist 20: p. 45-46.

381 VAN LOON, J.C., R.J. BEAMISH, 1977. Heavy-Metal Contamination by Atmospheric Fallout of Several Flin Flon Area Lakes and the Relation to Fish Populations. J. Fish. Res. Board Can., 34(7): p. 899-906.

296 WRIGHT, R.F., T. DALE, A. HENRIKSEN, G.R. HENDREY, E.T. GJESSING, M. JOHANNESSEN, C. LYSHOLM, E. STOREN, 1977. Regional Surveys of small Norwegian lakes October 1974, March 1975, March 1976, and March 1977. SNSF-Project, IR 33/77, Oslo: 467 p.

406 WRIGHT, R.F., E. SNEKVIK, 1978. Acid precipitation: Chemistry and fish populations in 100 lakes in southernmost Norway. International association of theoretical & applied limnology, 20: p. 765-775.

424 YAN, N.D., R.E. GIRARD, C.J. LAFRANCE, 1979. Survival of Rainbow Trout, Salmo Gairdneri, in submerged Enclosures in Lakes Treated with Neutralizing Agents near Sudbury, Ontario, Ontario Ministry of the Environment: 26 p.

2.8 Amphibiens

431 POUGH, F.H., 1976. Acid Precipitation and Embryonic Mortality of Spotted Salamanders, Ambystoma maculatum. Science, 192: p. 68-70.

509 POUGH, F.H., R.E. WILSON, 1976. Acid precipitation and reproductive success of Ambystoma Salamanders. In: Proceedings of the First International Symposium on Acid Pre- cipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 531-544.

77 POUCH, F. Harvey, Richard E. WILSON, 1977. Acid Precipitation and Reproduction Success of Ambystoma Salamanders. Water, Air, and Soil Pollution 7(3): p. 307-316.

2.9 Oiseaux aquatiques

352 PEAKALL, D.B., 1979. Acid precipitation and Wildlife. Canadian Wildlife Service, Ottawa: 4 p.

2.10 Méthodes et techniques

51 BAKSI, W.F., J. RICHARDS, G. CRAIG, J. REINKE, 1978. Suitability of Water Quality in two Reclaimed Lakes in the Sudbury Area for Maintaining Fish Populations. Technical Bulletin 6-78. Ontario Ministry of the Environment, Limnology and Toxicity Section: 13 p.

366 GUNN, J.M., W. KELLER, 1980. Enhancement of the Survival of Rainbow Trout (Salmo gairdneri) Eggs and Fry in an Acid Lake through Incubation in Limestone. Can. J. Fish. Aquat. Sci., 37: p. 1522-1530.

417 LOCKHART, W.L., A. LUTZ, 1975. Preliminary Biochemical observations of fishes inhabiting an acidified lake in Ontario, Canada. In: Proc. of the First International Symp. on Acid Precipitation and the Forest Ecosystem, Dochinger, L.S., T.A. Seliga, eds.; U.S. Department of Agriculture, Forest Service Gen. Tech. Report, NE-23, 1976. p. 545-569.

46 RYAN, P.M., H.H. HARVEY, 1977. Growth of Rock Bass, Ambloplites rupestris, in Relation to the Morphoedaphic Index as an Indicator of an Environmental Stress. J. Fish. Res. Board Can. 34: p. 2079-2088.

CHAPITRE 3: HYDROGEOCHIMIE

3.1 Ouvrages de synthèse

Cote

139 CONROY, N., W. KELLER, 1976. Geological Factors Affecting Biological Activity in Precambrien Shield Lakes. Canadian Mineralogist 14: p. 62-72.

673 GLASS, G.E., O.L. LOUCKS, 1980. Impact of airborne pollutants on wilderness areas along the Minnesota - Ontario border. Environmental Research Laboratory; Duluth, MN. U.S. Environmental Protection Agency. EPA-600/3-80-044. 186 p.

209 GORHAM, E., 1961. Factors Influencing Supply of Major Ions to Inland Waters, with Special Reference to the Atmosphere. Geological Society of America Bulletin 72: p. 795-840.

114 JOHNSON, N.M., R.C. REYNOLDS, G.E. LICKENS, 1972. Atmospheric Sulfur: Its Effects on the chemical weathering of New England. Science 177: p. 514-516.

23 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1978. Extensive Monitoring of Lakes in the Greater Sudbury Area 1974-76. Sudbury Environmental Study Report. Rapport.

696 SWEDEN. SWEDISH MINISTRY OF AGRICULTURE, 1982. Acidification today and tomorrow. Study prepared for the 1982 Stockholm Conference. 231 p.

78 WRIGHT, R.F., Forstein DALE, Egil T. GJESSING, George R. HENDREY, Arne HENRIKSEN, Merete JOHNNESSEN, Ivar P. MUNIZ, 1976. Impact of Acid Precipitation on Freshwater Ecosystems in Norway. Water, Air and Soil Pollution 6 (2-4): p. 483-499.

3.2 Qualité de l'eau

241 ADAMSKI, J.M., M.F.P. MICHALSKI, 1975. Reclamation of acidified lakes-Middle and Lohi, Sudbury, Ontario. Verhandlungen, Internationale Vereinigung fur Theoretische und Angewandte Limnologie 19: p. 1971-1983.

713 AGNEW, T.A., E. WILSON, L.A. BARRIE, J.D. REID, D. FAULKNER, 1982. Estimation of long term acidic deposition over snow and snowmelt shock potential. In: Comptes rendus du symposium canadien d'hydrologie 1982. Procédés hydrologiques des régions boisées, Fredericton, 14-15 juin 1982, p. 597-614.

643 AKIELASZEK, J.J., T.A. HAINES, 1981. Mercury in the muscle tissue of fish from three northern Maine lakes. Bulletin of Environmental Contamination and Toxicology, 27(2): p. 201-108.

112 ALMER, B., W. DICKSON, C. EKSTROM, E. HORNSTROM, U. MILLER, 1974. Effects of Acidification on Swedish Lakes. Ambio 3(1): p. 30-36.

458 ARNOLD D.E., R.W. LIGHT, V.J. DYMOND, 1980. Probable Effects of Acid Precipitation on Pennsylvania Waters. EPA-600/3 80-012, Corvallis Environmental Research Laboratory: 20 p.

283 AUCLAIR, J.C., M. BISSON, M. LACHANCE, 1982. Etude des variations de l'alcalinité des lacs de tête de la région de Québec. INRS-Eau, rapport scientifique no 139. 51 p.

331 BAKER, J.P., 1981. Aluminum toxicity to fish as related to acid precipitation and Adirondack surface water quality. Thesis presented to the faculty of the graduate school of Cornell University, Ithaca, N.Y., U.S.A. 461 p.

51 BAKSI, W.F., J. RICHARDS, G. CRAIG, J. REINKE, 1978. Suitability of Water Quality in two Reclaimed Lakes in the Sudbury Area for Maintaining Fish Populations. Technical Bulletin 6-78. Ontario Ministry of the Environment, Limnology and Toxicity Section: 13 p.

595 BEAMISH, Richard J., and Harold H. HARVEY, 1972. Acidification of the La Cloche Mountain Lakes, Ontario, and Resulting Fish Mortalities. Journal Fisheries Research Board of Canada 29(8): p. 1131-1143.

383 BEAMISH, R.J., 1974. Growth and Survival of White Suckers (Catostomus commersoni) in an Acidified Lake. J. Fish, Res. Board Can., 31(1): p. 49-54.

259 BEAMISH, R.J., 1974. Loss of Fish Populations from Unexploited Remote Lakes in Ontario, Canada as a Consequence of Atmospheric Fallout of Acid. Water Research 8: p. 85-95.

534 BEAMISH, R.J., G.A. McFARLANE, J.C. VAN LOON, J. LICHWA, 1975. An Examination of the possible effects of Sudbury nickel mining and smelting operations on fishes and the Water Chemistry of lakes within the whitefish lake indian reserve. Environnement Canada, Service des Pêches et des Sciences de la mer. Rapport technique no. 579: 52 p.

111 BEAMISH, R.J., W.L. LOCKHART, J.C. VAN LOON, H.H. HARVEY, 1975. Long-Term Acidification of a Lake and Resulting Effects on Fishes. Ambio 4(2): p. 98-102.

596 BEAMISH, Richard J., 1976. Acidification of Lakes in Canada by Acid Precipitation and the Resulting Effects on Fishes. Water, Air, and Soil Pollution 6: p. 501-514.

597 BEAMISH, R.J., J.C. VAN LOON, 1977. Precipitation Loading of Acid and Heavy Metals to a Small Acid Lake near Sudbury, Ontario. Journal Fisheries Research Board of Canada 34(5): p. 649-658.

609 BEAVER, J.R., T.L. CRISMAN, 1981. Acid precipitation and the response of ciliated protozoans in Florida lakes. Verh. Internat. Verin. Limnol., 21: p. 353-358.

254 BELL, H.L., 1970. Effects of pH on the life cycle of the midge Tanytarsus Dissimilis. The Canadian Entomologist 102: p. 636-639.

170 BENGTSSON, B., W. DICKSON, 1980. Liming Acid Lakes in Sweden. Ambio 9(1): p. 34-36.

128 BOBEE, B., Y. GRIMARD, M. LACHANCE, A. TESSIER, 1982. Nature et étendue de l'acidification des lacs du Québec. INRS-Eau, rapport scientifique no 140, pour le ministère de l'Environnement du Québec, Service de la qualité des eaux. 243 p.

461 BRADFORD, G.R., A.L. PAGE, I.R. STRAUGHAN, 1981. Are Sierra lakes becoming acid ? California Agriculture, 35(5-6): p. 6-7.

702 BROUARD, D., M. LACHANCE, G. SHOONER, R. VAN COILLIE, 1982. Sensibilité à l'acidification de quatre rivières à saumons de la Côte-Nord du Saint-Laurent (Québec). Can. Tech. Rep. Fish. Aquat. Sci. 1109F. 56 p.

102 BROWN, D.J.A., K. SADLER, 1981. The chemistry and fishery status of acid lakes in Norway and their relationship to european sulphur emissions. Journal of Applied Ecology 18: p. 433-441.

360 BUDD, W.W., A.H., JOHNSON, J.B. HUSS, R.S. TURNER, 1981. Aluminum in Precipitation, Streams, and Shallow Groundwater in the New Jersey Pine Barrens. Water Resources Research 17(4): p. 1179-1183.

432 BURNS, D.A., J.N. GALLOWAY, G.R. HENDREY, 1981. Acidification of surface waters in two areas of the Eastern United States. Water, Air and Soil Pollution, 16(3): p. 277-285.

723 CAMPBELL, P.G.C., M. BISSON, J. BOISVERT, R. BOUGIE, A. TESSIER, J.P. VILLENEUVE, 1982. Méthodologie analytique pour déterminer la spéciation de l'aluminium dans les eaux lacustres en voie d'acidification. INRS-Eau, rapport scientifique no 145 et Environnement Canada, Direction générale des eaux intérieures, région du Québec. 113 p.

189 CANADA. ENVIRONNEMENT CANADA, 1979. Water Quality Interpretive Report, Ontario, 1967-1977. Inland Waters Directorate, Water Quality Branch, Ottawa: 67 p.

727 CANADA. ENVIRONNEMENT CANADA, 1982. Arguments pour la délimitation de l'étendue du réseau TADPA pour les eaux de surface. Direction générale des eaux intérieures, région du Québec. 12 p.

279 CARRICK, T.R., 1979. The effect of acid Water on the hatching of salmonid eggs. J. Fish. Biol. 14: p. 165-172.

37 CARRITHERS, R.B., F.J. BULOW, 1973. An Ecological Survey of the West Fork of the Obey River, Tennessee with Emphasis on the Effects of Acid Mine Drainage. Journal of the Tennessee Academy of Science 48(2): p. 65-72.

543 CARTER, J.C.H., 1971. Distribution and Abundance of planktonic Crustacea in ponds near Georgian Bay (Ontario, Canada) in relation to hydrography and water chemistry. Arch. Hydrobiol. 68(2): p. 204-231.

540 CHARETTE, J.Y., M. LAGACE, 1981. Sommaire du résultat préliminaire des travaux sur l'impact des précipitations acides sur la faune piscicole du Québec (octobre 1980 - janvier 1981). Gouvernement du Québec: 18 p.

135 CHARETTE, J.Y., 1981. Observations préliminaires sur l'impact potentiel des précipitations acides sur la faune ichtyenne du parc national de la Mauricie. Environnement Canada, Direction générale des eaux intérieures. Région du Québec. 17 p.

694 CHEN, C.W., M. ASCE, J.D. DEAN, S.A. GHERINI, R.A. GOLDSTEIN, 1982. Acid rain model: Hydrologic module. J. Environ. Eng. Div. (Proc. Am. Soc. Civ. Eng.) 108(EE3): p. 455-472.

145 CHRISTOPHERSEN, N., R.F. WRIGHT, 1981. Sulfate Budget and a Model for Sulfate Concentrations in Stream Water at Birkenes, a Small Forested Catchment in Southernmost Norway. Water Resources Research 17(2): p. 377-389.

132 CLAIR, T.A., D.R. ENGSTROM, 1982. Sensitivity of Surface Waters of Newfoundland and Labrador to Acid Precipitation. Water Quality Branch, Environment Canada, Moncton, N.B.

137 CLAIR, T.A., J.P. WITTEMAN, S.H. WHITLOW, 1982. Acid Precipitation Sensitivity of Canada's Atlantic Provinces. Inland Waters Directorate Technical Bulletin no 124, Environment Canada, Ottawa.

746 CLAIR, T.A., 1983. Trends in pH, calcium and sulfate of rivers in Atlantic Canada. Limnol. Oceanogr., 28(1): p. 160-165.

437 COKER, W.B., W.W. SHILTS, 1979. Lacustrine geochemistry around the north shore of lake Superior: Implications for evaluation of the effects of acid precipitation. In: Current Research, Part C, Geological Survey of Canada, Paper 79-1C: p. 1-15.

73 CONROY, N., D.S. JEFFRIES, J.R. KRAMER, 1974. Acid Shield Lakes in the Sudbury Ontario Region. Water Pollution Research in Canada Proc. 9th Canadian Symp. 9: p. 45-61.

152 CONROY, N., L. MAKI, 1974. Extensive and Intensive Lake Studies in the Sudbury Area. Ontario Industrial Waste Conference: p. 138-143.

219 CONROY, N., K. HAWLEY, W. KELLER, C. LAFRANCE, 1976. Influences of the Atmosphere on Lakes in the Sudbury Area. Journal of Great Lakes Research 2: p. 146-165.

581 CONWAY, H.L., G.R. HENDREY, 1981. Ecological effects of acid precipitation on primary producers. Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 22 p.

387 CRAIG, G.R., W.F. Baksi, 1977. The effects of depressed pH on Flagfish reproduction, Growth and survival. Water Research, 11(8): p. 621-626.

125 CRISMAN, T.L., P.L. BREZONIK, 1980. Acid Rain: Threat to Sensitive Aquatic Ecosystems. Proc. 73rd Annu. Meet. - Air Pollut. Control Assoc. June 22-27, 1980, Paper 80-24.3. 22 p.

146 CRONAN, C.S., C.L. SCHOFIELD, 1979. Aluminum Leaching Response to Acid Precipitation: Effects on High - Elevation Water - sheds in the Northeast. Science, 204: p. 304-306.

526 DAVIS, A.O., J.N. GALLOWAY, D.K. NORDSTROM, 1982. Lake acidification: Its effect on lead in the sediment of two Adirondack lakes. Limnol. Oceanogr., 27(1): p. 163-167.

267 DE COSTA, J., 1975. The crustacean plankton of an acid reservoir. Vkerh. Internat. Verein. Limnol. 19: p. 1805-1813.

266 DE COSTA, J., A. JANICKI, 1978. Population dynamics and age structure of Bosmina longirostris in an acid Water impoundment. Verh. Internat. Verein. Limnol. 20: p. 2479-2483.

563 DEL PRETE, A., C. SCHOFIELD, 1981. The utility of diatom analyses of lake sediments for evaluating acid precipitation effects on dilute lakes. Arch. Hydrobiol., 91(3): p. 332-340.

679 DePINTO, J.V., R.F. GUMINIAK, R.S. HOWELL, J.K. EDZWALD, 1980. Use of microcosms to evaluate acid lake recovery techniques. Giesy, J.P. (ed). DOE Symposium Series, Vol. 52. Microcosms in Ecological Research; Papers from a Symposium, Augusta, U.S.A. Nov. 8-10, 1978. p. 562-582.

405 DICKSON, W., 1978. Some effects of the acidification of Swedish lakes. International association of theoretical & applied limnology, 20: p. 851-856.

425 DILLON, P.J., N.D. YAN. W.A. SCHEIDER, N. CONROY, 1977. Acidic Lakes in Ontario: Characterization, Extent, and Responses to Base and Nutrient Additions. Ontario Ministry of the Environment: 39 p.

466 DODSON, S.I., 1982. Chemical and biological limnology of six west-central Colorado Mountain Ponds and their susceptibility to acid rain. The American Midland Naturalist, 107(1): p. 137-179.

292 DOVLAND, H., A. SEMB, 1978. Deposition and runoff of sulphate in the Tovdal river. A study of the mass balance for September 1974 - August 1976, SNSF-Project, rapport IR 38/78, Oslo: 22 p.

293 EDWARDS, D.J., S. HJELDNES, 1977. Growth and survival of salmonids in water of different pH. SNSF-Project, rapport FR 10/77, Oslo: 12 p.

499 EILERS, J.M., R. BERG, G.E. GLASS, 1981. Sensitivity Of Aquatic Organisms to Acidic Environments. U.S. Environmental Protection Agency, Environmental Research Laboratory - Duluth, Minnesota: 50 p.

207 ERIKSSON, E., 1981. Aluminium in Groundwater Possible Solution Equilibria. Nordic Hydrology 12(1): p. 43-50.

382 FIANCE, S.B., 1978. Effects of pH on the biology and distribution of Ephemerella funeralis (Ephemeroptera). Oikos, 31(3): p. 332-339.

142 FICKE, J.F., 1977. Air pollution: Impact on Water. Proc. of the 32nd annual meeting, Soil Conservation Society of America. Aug. 7-10, 1977. p. 208-211.

408 FISHER, D.W., A.W. GAMBELL, G.E. LIKENS, F.H. BORMANN, 1968. Atmospheric Contributions to Water Quality of Streams in the Hubbard Brook Experimental Forest, New Hampshire. Water Resources Research, 4(5): p. 1115-1126.

144 GALLOWAY, J.N., 1977. Air Pollution: Impact on aquatic ecosystems. Proc. of the 32nd Annual Meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 211-215.

413 GJESSING, E.T., 1974. Effects of Polluted Precipitation on Water Quality. In: Seventh International Conference on Water Pollution Research, Paris: p. 725-731.

155 GJESSING, E.T., A. HENRIKSEN, M. JOHANNESSEN, R. WRIGHT, 1976. Effects of Acid Precipitation on Freshwater Chemistry. In: Impact of Acid Precipitation on Forest and Freshwater Ecosystems in Norway. Braekke, F.(Ed). Research Report 6/76, p. 65-85.

588 GJESSING, E.T., 1981. The effect of aquatic humus on the biological availability of cadmium. Arch. Hydrobiol., 91(2): p. 144 - 149.

443 GLASS, N.B., D.E. ARNOLD, J.N. GALLOWAY, G.R. HENDREY, J.J. LEE, W.W. McFEE, S.A. NORTON, C.F. POWERS, D.L. RAMBO, C.L. SCHOFIELD, 1982. Effects of acid precipitation. Environmental Science and Technology, 16(3): p. 162A - 169A.

359 GLOVER, G.M., A.H. WEBB, 1979. Weak and strong acids in the surface waters of the Tovdal region in S. Norway. Water Research 13 (8): p. 781-783.

719 GORDON, D.C., P.D. KEIZER, J.G. OGDEN III, J. UNDERWOOD, J.F. WILTSHIRE, 1981. Synoptic water quality study of 50 lakes in the Halifax, Nova Scotia, Metro area on 14 April 1980. Bedford Institute of Oceanography, Report series / Bl-R-81-5, 85 p.

38 GORHAM, Eville, and Alan G. GORDON, 1960. The Influence of Smelter Fumes Upon the Chemical Composition of Lake Waters Near Sudbury, Ontario, and Upon Surrounding Vegetation. Canadian Journal of Botany 38: p. 477-487.

177 GORHAM, E., A.G. GORDON, 1963. Some Effects of Smelter Pollution upon Aquatic Vegetation near Sudbury, Ontario. Canadian Journal of Botany 41: p. 371-378.

404 GORHAM, E., 1967. Some Chemical Aspects of Wetland Ecology. Nat. Res. Council Canada, Assoc. Comm. on Geotech. Res., Tech. Memo no 90: p. 20-38

410 GRAHN, O., H. HULTBERG, 1975. The Neutralizing capacity of 12 different lime products used for pH - adjustment of acid water. Vatten, 2: p. 120-132.

186 GRAHN, O., 1977. Macrophyte Succession in Swedish Lakes Caused by Deposition of Airborne Acid Substances. Water, Air and Soil Pollution 7 (3): p. 295-305.

527 GRANDE, M., I.P. MUNIZ, S. ANDERSEN, 1978. Relative tolerance of some salmonids to acid waters. Verh. Internat. Verein. Limnol. 20: p. 2076-2084.

409 GRANDE, M., S. ANDERSEN, 1979. Toxicity of Acid Snowmelt Water to Brown Trout (Salmo trutta L.). Vatten, 1: p. 27.32.

557 GRIMARD, Y., 1981. Contribution à l'étude de la vulnérabilité des eaux lacustres québécoises face à l'acidification des précipitations. 81-6. Ministère de l'environnement, Service de la qualité des eaux, Québec: 38 p.

610 GROTERUD, O., 1981. The dynamics of acidification from a new view elucidated by studies in a lake area in Norway. Verh. Internat. Verein. Limnol., 21: p. 406-411.

366 GUNN, J.M., W. KELLER, 1980. Enhancement of the Survival of Rainbow Trout (Salmo gairdneri) Eggs and Fry in an Acid Lake through Incubation in Limestone. Can. J. Fish. Aquat. Sci., 37: p. 1522-1530.

516 GUNN, J.M., W. KELLER, 1981. Emergence and survival of lake trout (salvelinus namaycush) and brook trout (S. fontinalis) from artificial substrates in an acid lake. Ontario fisheries technical report series, (1): 9 p.

256 HAAPALA, H., P. SEPPONEN, E. MESKUS, 1975. Effect of spring floods on Water acidity in the Kiiminkijoki area, Finland. Oikos 26(1): p. 26-31.

88 HAGEN, Arne, Arnfinn LANGELAND, 1973. Polluted Snow in Southern Norway and the Effect of the Meltwater on Freshwater and Aquatic Organisms. Environmental Pollution 5: p. 45-57.

196 HALL, R.J., G.E. LIKENS, 1981. Chemical flux in an acid-stressed stream. Nature 292(5821): p. 329-331.

726 HAEMMERLI, J., 1982. Rationalisation du réseau de qualité des eaux de surface (TADPA), Répartition spatiale des paramètres de qualité. Document de travail. Environnement Canada, Direction générale des eaux intérieures, région du Québec. 54 p.

578 HARGREAVES, J.W., E.J.H. LLOYD and B.A. WHITTON, 1975. Chemistry and Vegetation of Highly Acidic Streams. Freshwat. Biol. 5: p. 563-576.

517 HARP, G.L., R.S. CAMPBELL, 1967. The distribution of Tendipes plumosus (Linné) in mineral acid water. Limnology and Oceanography 12(4): p. 260-263.

482 HARRIMAN, R., B.R.S. MORRISON, 1981. Forestry, fisheries and acid rain in Scotland. Scottish Forestry, 35(2): p. 89-95.

652 HARRIMAN, R., B.R.S. MORRISON, 1982. Ecology of streams draining forested and non-forested catchments in an area of central Scotland subject to acid precipitation. Hydrobiologia, 88(3): p. 251-263.

131 HARVEY, Harold H., 1975. Fish Populations in a Large Group of Acidstressed lakes. Verh Internat. Vérein. Limnol. 19: p. 2406-2417.

446 HARVEY, H.H., 1979. The acid deposition problem and emerging research needs in the toxicology of fishes. Proc. Fifth Annual Aquatic Toxicity Workshop, Hamilton, Ontario, Nov. 7-9, 1978. Fish. Mar. Serv. Tech. Rep. 862: p. 115-128.

715 HELVEY, J.D., J.HUBBARD, D.R. De WALLE, 1982. Time trends in pH and specific conductance of streamflow from an undisturbed watershed in the central appalachians. In: Comptes rendus du symposium canadien d'hydrologie 1982. Procédés hydrologiques des régions boisées. Fredericton, 14-15 juin 1982, p. 637-651.

227 HENDREY, G.R., R.F. WRIGHT, 1975. Acid Precipitation in Norway: Effects on Aquatic Fauna. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of lake Waters. Internat. Assoc. Great Lakes Res., 28 sept-1 oct 1975, Orillia, Ontario: p. 192-207.

674 HENDREY, G.R., J.N. GALLOWAY, S.A. NORTON, C.L. SCHOFIELD, P.W. SHAFFER, D.A. BURNS, 1980. Geological and hydrochemical sensitivity of the eastern United States to acid precipitation. Brookhaven National Laboratory; Upton, N.Y.; U.S. Environmental Protection Agency, EPA-600/3-80-024. 90 p.

668 HENRIKSEN, A., R.F. WRIGHT, 1977. Effects of acid precipitation on a small acid lake in southern Norway. Nordic Hydrology 8: p. 1-10.

76 HENRIKSEN, A., R.F. WRIGHT, 1978. Concentrations of Heavy Metals in Small Norwegian Lakes. Water Research 12(2): p. 101-112.

1 HENRIKSEN, A., 1979. A simple Approach for Identifying and Measuring Acidification of Freshwater. Nature, 278.

498 HENRIKSEN, A., 1980. Acidification of Freshwaters - A Large Scale Titration. Norwegian Institute for Water Research, Norway.

288 HENRIKSEN, A., H.M. SEIP, 1980. Strong and Weak Acids in Surface Waters of Southern Norway and Southwestern Scotland. Water Research 14(7): p. 809-813.

750 HENRIKSON, L., J.B. OLOFSSON, H.G. OSCARSON, 1982. The impact of acidification on chironomidae (diptera) as indicated by subfossil stratification. Hydrobiologia 86(3): p. 223-229.

463 HESSLEIN, Raymond H., 1979. Lake Acidification Potential in the Alberta Oil Sands Environmental Research Program Study Area. Alberta Oil Sands Environmental Research Program: 26 p.

435 HORNBECK, J.W., G.E. LIKENS, 1974. The ecosystem concept for determining the importance of chemmical composition of snow, in: Advanced Concepts and Techniques in the Study of Snow and Ice Resources, National Academy of Sciences, Washington, D.C.: p. 139-151.

164 HORNBECK, J.W., G.E. LIKENS, J.S. EATON, 1977. Seasonal Patterns in Acidity of Precipitation and their Implications for Forest Stream Ecosystems. Water, Air and Soil Pollution 7: p. 355-365.

338 HULTBERG, H., O. GRAHN, 1976. Effects of acid Precipitation on Macrophytes in Oligotrophic Swedish Lakes. Proc. First Specialty Symposium on Atmospheric Contribution to the Chemistry of Lake Waters. Internat. Assoc. Great Lakes Res., Sept. 28 - Oct. 1, 1975: p. 208-221.

165 HULTBERG, H., 1977. Thermally Stratified Acid Water in Late Winter - A Key Factor Inducing Self-Accelerating Processes which Increase Acidification. Water, Air and Soil Pollution 7: p. 279-294.

206 HULTBERG, H., S. JOHANSSON, 1981. Acid Groundwater. Nordic Hydrology 12(1): p. 51-64.

268 JANICKI, A., J. DE COSTA, 1979. A multivariate analysis of the crustacean plankton community of an acid reservoir. Arch. Hydrobiol. 85(4): p. 465-481.

639 JANSSON, M.. H. OLSSON, O. BROBERG, 1981. Characterization of acid phosphatases in the acidified lake Gardsjon Sweden. Archiv Fuer Hydrobiologie, 92(3): p. 377-395.

97 JEFFRIES, D.S., C.M. COX, P.J. DILLON, 1979. Depression of pH in Lakes and Streams in Central Ontario during Snowmelt. Journal of the Fisheries Research Board of Canada 36 (6): p. 640-646.

113 JENSEN, K.W., E. SNEKVIK, 1972. Low PH Levels Wipe out Salmon and Trout Populations in Southernmost Norway. Ambio 1(6): p. 223-225.

377 JERNELOV, A., 1980. The Effects of Acidity on the Uptake of Mercury in Fish, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 211-222.

225 JOHANNESSEN, M., T. DALE, E.T. GJESSING, A. HENRIKSEN, R.F. WRIGHT, 1975. Acid Precipitation in Norway: the regional distribution of contaminants in snow and the chemical concentration processes during snowmelt. In: Isotopes et impuretés dans les neiges et glaces, Actes du colloque de Grenoble, août/septembre 1975: p. 116-120.

273 JOHANSSON, N., G. MILBRINK, 1976. Some Effects of Acidified Water on the Early Development of Roach (Rutilus rutilus L.) and Perch (Perca Fluviatilis L.). Water Resources Bulletin 12(1): p. 39-47.

264 JOHANSSON, N., P. RUNN, G. MILBRINK, 1977. Early Development of Three Salmonid Species in Acidified Water. Zoon 5(2): p. 127-132.

441 JOHNSON, A.H., 1979. Acidification of Headwater Streams in the New Jersey Pine Barrens. J. Environ. Qual., 8(3): p. 383-386.

559 JOHNSON, N.M., C.T. DRISCOLL, J.S. EATON, G.E. LIKENS, W.H. McDOWELL, 1981. "Acid rain", dissolved aluminum and chemical weathering at the Hubbard Brook Experimental Forest, NewHampshire. Geochimica et Cosmochimica Acta, 45(9): p. 1421-1437.

39 JOHNSON, D.W., D.A. WEBSTER, 1977. Avoidance of Low pH in Selection of Spawning Sites by Brook Trout (Salvelinus fontinalis). J. Fish. Res. Board Can. 34: p. 2215-2218.

140 JOHNSON, D.W., 1981. The natural acidity of some unpolluted waters in southeastern Alaska and potential impacts of acid rain. Water, Air and Soil Pollution 16(2): p. 243-252.

230 JONES, H.G., M. OUELLET, D.F. BRAKKE, 1980. The Evolution of Acidity in Surface Waters of Laurentides Park (Quebec, Canada) Over a Period of 40 Years. Proceedings International Conference on Ecological Impact of Acid Precipitation, Sandefjord, Norway, 11-14 March 1980: 8 p.

364 JOURNAULT-DUPONT, C., 1979. Etude écologique de la région de Rouyn-Noranda. Conférence sur les contaminants dans l'environnement, Québec, 14-15 mai.

107 KAPLAN, E., H.C. THODE JR., A. PROTAS, 1981. Rocks, Soils, and Water Quality. Relationships and Implications for Effects of Acid Precipitation on Surface Water in the Northeastern United States. Environ. Sci. Technol. 15(5): p. 539-544.

450 KENNEDY, L.A., 1980. Teratogenesis in Lake Trout (Salvelinus namaycush) in an Experimentally Acidified Lake. Can. J. Fish. Aquat. Sci., 37: p. 2355-2358.

415 KEREKES, J., 1973. Aquatic Resources Inventory Kejimkujik National Park. Part 5. Chemical Composition of Lake and River Waters. Report for Parks Canada by Canadian Wildlife Service, Eastern Region: 66 p.

271 KEREKES, J.J., 1980. Preliminary Charaterization of three Lake Basins Receiving Acid Precipitation in Nova Scotia.

532 KEREKES, J., G. HOWELL, S. BEAUCHAMP, T. POLLOCK, 1981. The Response of three Lake Basins to Acid Precipitation in Central Nova Scotia between June, 1979, and May, 1980: 14 p.

688 KRAMER, J., A. TESSIER, 1982. Acidification of aquatic systems: a critique of chemical approaches. Dept. of Geology, Mc Master University, Ont. 30 p.

202 KWIATKOWSKI, R.E., J.C. ROFF, 1976. Effects of Acidity on the Phytoplankton and Primary Productivity of Selected Northern Ontario Lakes. Canadian Journal of Botany 54: p. 2546-2561.

213 LEIVESTAD, H., I.P. MUNIZ, 1976. Fish Kill at Low pH in a Norwegian River. Nature 259: p. 391-392.

531 LEWIS, W.M. jr., 1982. Changes in pH and buffering capacity of lakes in the Colorado Rockies. Limnol. Oceanogr., 27(1): p. 167-172.

58 LEWIS, W.M., C. PETERS, 1956. Coal Mine Slag Drainage (Toxicity to representative fishes). Industrial Wastes. March-April. p. 145-147.

417 LOCKHART, W.L., A. LUTZ, 1975. Preliminary Biochemical observations of fishes inhabiting an acidified lake in Ontario, Canada. In: Proc. of the First International Symp. on Acid Precipitation and the Forest Ecosystem, Dochinger, L.S., T.A. Seliga, eds.; U.S. Department of Agriculture, Forest Service Gen. Tech. Report, NE-23, 1976. p. 545-569.

725 MAGNAN, P., 1982. Etude de la sensibilité aux précipitations acides de 22 lacs du Parc national de la Mauricie. Environnement Canada, Direction générale des eaux intérieures, région du Québec. 44 p.

538 McLEAN, R.A.N., 1981. The relative contributions of sulfuric and nitric acids in acid rain to the acidification of the ecosystem. Implications for Control Strategies. Environmental Sciences Group. Domtar Research Centre, Senneville: 10 p.

495 McMASTER UNIVERSITY, 1981. Aluminum: Chemistry, Analysis and Biology. Environmental Geochemistry Report: 174 p.

433 MICHALSKI, M.F.P., J. ADAMSKI, 1974. Restoration of Acidified Lakes, Middle and Lohi in the Sudbury Area, in: Ontario Industrial Wastes Conferences: p. 163-175.

263 MILBRINK, G., N. JOHANSSON, 1975. Some Effects of Acidification on Roe of Roach, (Rutilus rutilus L.), and Perch, (Perca fluviatilis L.) With Special Reference to the Avaa Lake System in Eastern Sweden. Fish. Board Swed. Inst. Freshwater Res. Drottingholm Rep. 54: p. 52-62.

334 MINNS, C.K., 1981. Acid Rain: A preliminary Estimate of the Risk to Ontario's Inland Fisheries. Can. MS Rep. Fish. Aquat. Sci. 1622: 36 p.

138 MORLING, G., 1981. Effects of acidification on some lakes in western Sweden. Vatten 37(1): p. 25-38.

258 MOUNT, D.I., 1973. Chronic Effect of Low pH on Fathead Minnow Survival, Growth and Reproduction. Water Research 7: p. 987-993.

42 NICHOLS, Jr. L.E., F.J. BULOW, 1973. Effects of Acid Mine Drainage on the Stream Ecosystem of the East Fork of the Obey River, Tennessee. Journal of the Tennessee Academy of Science. 48(1): p. 30-39.

667 OKLAND, J., 1980. Acidification in 50 Norwegian lakes. Nordic Hydrology 11: p. 25-32.

423 ODEN, S., T. AHL, 1973. The Acidification of Scandinavian Waters. Fisheries Research Board of Canada, Translation Series no 2535: 32 p.

475 OGDEN, J.G., 1980. Water Chemistry Changes in Halifax County, Nova Scotia Lakes, Department of Biology, Dalhousie University. Draft: 8 pp. + tableaux + fig.

690 OGDEN, J.G. III, 1982. Seasonal mass balance of major ions in three small watersheds in a maritime environment. Water, Air and Soil Pollution 17(2): p. 119-130.

212 OVERREIN, L.N., 1972. Sulphur Pollution Patterns Observed; Leaching of Calcium in Forest Soil Determined. Ambio 1: p. 145-147.

474 PANKO, A.W., 1980. Mercury uptake by Fish in Acidified Lake Ecosystems, in: Environmental Geochemistry Report, McMaster University: 43 p.

512 PARSONS, J.D., 1976. Effects of Acid-Mine Wastes an Aquatic Ecosystems. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 571-595.

754 PETERS, N.E., R.A. SCHROEDER, D.E. TROUTMAN, 1982. Temporal Trends in the Acidity of Precipitation and Surface Waters of New York. United States Geological Survey Water-Supply Paper 2188. 35 p.

712 PFEIFFER, M.H., P.J. FESTA, 1980. Acidity status of lakes in the Adirondack region of New-York in relation to fish resources. New York State Department of Environmental Conservation. 36 p.

737 PITBLADO, J.R., W. KELLER, N.I. CONROY, 1980. A classification and description of some northeastern Ontario Canada lakes influenced by acid precipitation. J. Great Lakes Res. 6(3): p. 247-257.

555 POWELL, J.J., 1976. Preliminary report on the effects of neutralization on the fish community of Nelson lake, near Sudbury, Ontario. Ministry of Natural Resources, Fish and Wildlife Branch, Sudbury, Ontario: 38 p.

751 RADDUM, G.G., O.A. SAETHER, 1981. Chironomid communities in Norwegian lakes with different degrees of acidification. Verh. Internat. Verein. Limnol. 21(1): p. 399-405.

699 RICHARD, Y., 1982. Relations entre le niveau d'acidité de 158 lacs du parc des Laurentides et l'évolution de leurs statistiques de pêche au cours des neuf dernières années. Ministère de l'Environnement du Québec, Direction générale des inventaires et de la recherche, service de la qualité des eaux, PA-5. 115 p.

691 ROSENQVIST, I.T., 1978. Acid precipitation and other possible sources for acidification of rivers and lakes. The Science of the Total Environment 10(3): p. 271-272.

265 RUNN, P., N. JOHANSSON, G. MILBRINK, 1977. Some Effects of low pH on the Hatchability of Eggs of Perch (Perca Fluviatilis L.). Zoon 5(2): p. 115-125.

46 RYAN, P.M., H.H. HARVEY, 1977. Growth of Rock Bass, Ambloplites rupestris, in Relation to the Morphoedaphic Index as an Indicator of an Environmental Stress. J. Fish. Res. Board Can. 34: p. 2079-2088.

56 RYAN, P.M., H.H. HARVEY, 1980. Growth responses of yellow perch, Perca flavescens (Mitchill), to lake acidification in the La Cloche Mountain Lakes of Ontario. Env. Biol. Fish. 5(2): p. 97-108.

589 RYAN, P.M., H.H. HARVEY, 1981. Factors accounting for variation in the growth of rock bass (Ambloplites rupestris) and yellow perch (Perca flavescens) in the acidifying La Cloche Mountain Lakes of Ontario, Canada. Verh. Internat. Verein. Limnol., 21: p. 1231 - 1237.

315 SCHEIDER, W., J. ADAMSKI, M. PAYLOR, 1975. Reclamation of Acidified Lakes near Sudbury, Ontario. Ontario Ministry of the Environment: 129 p.

422 SCHEIDER, W., P.J. DILLON, 1976. Neutralization and fertilization of Acidified lakes near Sudbury, Ontario. Proc. 11th Canadian Symp. Water Poll. Research Canada, 11: p. 93-100.

548 SCHEIDER, W.A., J. JONES, B. CAVE, 1976. A Preliminary Report on the Neutralization of Nelson Lake near Sudbury, Ontario, 1976. Ontario Ministry of the Environment, Limnology and Toxicity Section, Water Resources Branch: 36 p.

168 SCHEIDER, W.A., D.S. JEFFRIES, P.J. DILLON, 1979. Effects of Acidic Precipitation on Precambrian Freshwaters in Southern Ontario. Journal of great Lakes Research 5 (1): p. 45-51.

278 SCHINDLER, D.W., R.W. NEWBURY, K.G. BEATY, P. CAMPBELL, 1976. Natural Water and Chemical Budgets for a Small Precambrian Lake Basin in Central Canada. J. Fish. Res. Board Can. 33: p. 2526-2543.

571 SCHOFIELD, Jr., L.L., 1965. Water Quality in Relation to Survival of Brook Trout (Salvelinus fontinalis (Mitchill). Transaction of the American Fisheries Society 94: p 227-235.

108 SCHOFIELD, Carl L., 1977. Acid snow - Melt Effects on Water Quality and Fish Survival in the Adirondack Mountains of New-York State. 1977 U.S. National Technical information service, completion report, PB-277 801.

372 SCHOFIELD, C.L., J.R. TROJNAR, 1980. Aluminum Toxicity to Brook Trout (Salvelinus fontinalis) in Acidified Waters, in: Proceedings of the Twelfth Rochester International Conference on Environmental Toxicity, Mai 21-23, 1979: p. 341-366.

444 SEIP, H.M., A. TOLLAN, 1978. Acid Precipitation and other possible sources for acidification of rivers and lakes. The Science of the Total Environment, 10: p. 253-270.

290 SEIP, H.M., E.T. GJESSING, H. KAMBEN, 1979. Importance of the composition of the precipitation for the pH in runoff-experiments with artificial precipitation on partly soil-covered "minicatchments". SNSF-Project, Rapport IR 47/79, Oslo: 34 p.

289 SEIP, H.M., G. ABRAHAMSEN, E.T. GJESSING, A. STUANES, 1979. Studies of soil -, precipitation - and run-off chemistry in six small natural plots ("mini-catchments"). SNSF-Project, Rapport IR 46/79, Oslo: 62 p.

705 SEIP, H.M., G. ABRAHAMSEN, N. CHRISTOPHERSEN, E.T. GJESSING, A.O. STUANES, 1980. Snow and meltwater chemistry in mini-catchments. SNSF-Project, report 1R 53/80, Oslo. 51 p.

291 SEMB, A., 1978. Deposition of trace elements from the atmosphere in Norway. SNSF-Project, Rapport FR-13/78, Oslo: 28 p.

393 SKARTVEIT, A., Y.T. GJESSING, 1979. Chemical Budgets and Chemical Quality of Snow and Runoff During Spring Snowmelt. Nordic Hydrology, 10(2/3): p. 141-154.

148 SKARTVEIT, A., 1981. Relationships between Precipitation Chemistry, Hydrology, and Runoff Acidity. Nordic Hydrology, 12(2): p. 65-80.

587 SOHTELL, M., P.RUNN, 1981. Sodium and potassium transport in brown trout yolc sac fry. Acta Physiol. Scand., 112(2): p. 24A.

235 SPRULES, W.G., 1975. Midsummer Crustacean Zooplankton Communities in Acid-Stressed Lakes. J. Fish. Res. Board Can. 32(3): p. 389-395.

243 SPRULES, W.G., 1975. Factors affecting the structure of limnetic crustacean Zooplankton communities in central Ontario lakes. Verh. Internat. Verein. Limnol. 19: p. 635-643.

630 SPRY, D.J., C.M. WOOD, P.V. HODSON, 1981. The effects of environmental acid on freshwater fish with particular reference to the softwater lakes in Ontario and the modifying effects of heavy metals. A literature review. Canadian Technical Report of Fisheries and Aquatic Sciences, no. 999. 144 p.

438 STASSEN, G.M., 1974. Aspects of Sudbury Environmental Degradation Problem as Relates to the Aquatic Communities. Report for the Ont. Ministry of Natural Resources: 70 p.

157 SUTCLIFFE, D.W., T.R. CARRICK, 1973. Studies on Mountain Streams in the English Lake District, I. pH, Calcium and the Distribution of Invertebrates in the River Duddon. Freshwater Biology 3: p. 437-462.

158 SUTCLIFFE, D.W., T.R. CARRICK, 1973. Studies on Mountain Streams in the English Lake District, III. Aspects of Water Chemistry in Brownrigg Well, Whelpside Ghyll. Freshwater Biology 3: p. 561-568.

733 SUZUKI, K., 1982. Chemical changes of snow cover by melting. Jap. J. Limnol. 43(2): p. 102-112.

244 SWARTS, F.A., W.A. DUNSON, J.E. WRIGHT, 1978. Genetic and Environmental Factors Involved in Increased Resistance of Brook Trout to Sulfuric Acid Solutions and Mine Acid Polluted Waters. Transactions of the American Fisheries Society 107(5): p. 651-677.

94 SYLVESTRE, A., 1981. Interprétation des données physico-chimiques de 24 lacs du Sud du Québec étudiés dans le cadre du programme des précipitations acides du service canadien de la faune. Environnement Canada, Service canadien de la faune, Région du Québec. 110 p.

2 THOMPSON, Mary E., 1979. Acidic Atmospheric Precipitation: Evaluation of its Impact on Some Canadian Surface Waters. National Water Research Institute: 14 p.

607 THOMPSON, M.E., E.B. BENNETT, 1980. Variations in the Degree of Acidification of River Waters Observed in Atlantic Canada. National Water Research Institute, Burlington, Ontario: 11 p.

496 THOMPSON, M.E., F.C. ELDER, A.R. DAVIS, S. WHITLOW, 1980. Evidence of Acidification of Rivers of Eastern Canada. National Water Research Institute, Burlington, Ont.

36 THOMPSON, M.E., M.B. HUTTON, 1981. Selected canadian lakes - cations, sulfate pH, PCO_2 relationships. Burlington, National Water Research Institute, 31 p.

464 THOMPSON, M.E., 1981. The Cation Denudation Rate as a Quantitative Index of Vulnerability of Aquatic Systems to Acid Precipitation. National Water Research Institute, Burlington, Ontario: 12 p.

530 THOMPSON, M.E., 1981. The cation denudation rate as a quantitative index of sensitivity of eastern canadian rivers to acidic atmospheric precipitation. National Water Research Institute, Burlington, Ontario: 20 p.

523 THOMPSON, M.E., M.B. HUTTON, 1982. Sulfate in lakes of eastern Canada: calculated atmospheric loads compared with measured wet deposition. National Water Research Institute, Burlington, Ontario. 22 p.

570 TOMKIEWICZ, Jr., S.M., W.A. DUNSON, 1977. Aquatic Insect Diversity and Biomass in a Stream Marginally Polluted by Acid Strip Mine Drainage. Water Research 11: p. 397-402.

398 TROJNAR, J.R., 1977. Egg and Larval Survival of White Suckers (Catostomus commersoni) at Low pH. J. Fish. Res. Board Can., 34: p. 262-266.

736 TROUTMAN, D.E., N.E. PETERS, 1982. Deposition and transport of heavy metals in three lake basins affected by acid precipitation in the Adirondack mountains, New York. In: Energy and Environmental Chemistry, Acid Rain, Volume two, L.H. Keith (ed), Ann Arbor Science, Michigan, p. 33-89.

716 UNDERWOOD, J.K., H.H. VAUGHAN, J.G. OGDEN III, C.G. MANN, 1982. Acidification of Nova Scotia lakes II: Ionic balances in dilute waters. Nova Scotia Department of the Environment, Halifax, 21 p.

545 VAN DAM, H., G. SUURMOND, C.J.F. TERBRAAK, 1981. Impact of acidification on diatoms and chemistry of Dutch moorland pools. Hydrobiologia, 83(3): p. 425-459.

346 VANGENECHTEN, J.H.D., 1980. Interrelations between pH and other physico-chemical factors in surface waters of the Campine of Antwerp, (Belgium): with special reference to acid moorland pools. Arch. Hydrobiol. 90(3): p. 265-283.

381 VAN LOON, J.C., R.J. BEAMISH, 1977. Heavy-Metal Contamination by Atmospheric Fallout of Several Flin Flon Area Lakes and the Relation to Fish Populations. J. Fish. Res. Board Can., 34(7): p. 899-906.

753 VAUGHAN, H.H., J.K. UNDERWOOD, J.G. OGDEN, III, 1982. Acidification of Nova Scotia lakes I: Response of diatom assemblages in the Halifax area. Water, Air, And Soil Pollution 18: p. 353-361.

623 WALLSTEN, M., 1981. Changes of lakes in Uppland Central Sweden during 40 years. Acta Universitatis Upsaliensis Symbolae Botanicae Upsalienses, 23(3): 83 p.

86 WATT, W.D., D. SCOTT, S. ROY, 1979. Acidification and Other Chemical Changes in Halifax County Lakes After 21 years. Limnology Oceanography 24(6): p. 1154-1161.

166 WHITBY, L.M., P.M. STOKES, T.C. HUTCHINSON, G. MYSLIK, 1976. Ecological Consequence of Acidic and Heavy-Metal Discharges from the Sudbury Smelters. Canadian Mineralogist 14: p. 47-57.

394 WIEDERHOLM, T., L. ERIKSSON, 1977. Benthos of an Acid Lake. Oikos, 29: p. 261-267.

629 WILTSHIRE, J.F., J.R. MACHELL, 1981. A study of acidification in sixteen lakes in Mainland Nova Scotia and Southern New-Brunswick; a preliminary report. Environment Canada, Environmental Protection Service, Atlantic Region, Surveillance Report EPS-5-AR-81-4, 102 p.

304 WRIGHT, R.F., C. LYSHOLM, 1975. Regional survey of lakes in southern Norway, fall 1974. Preliminary analysis of water-chemistry data, SNSF Project, Rapport IR 6/75, Oslo: 24 p.

5 WRIGHT, R.F, Egil T. GJESSING, 1976. Acid Precipitation: Changes in the Chemical Composition of Lakes. Ambio 5(5-6): p. 219-223.

72 WRIGHT, R.F., Arne HENRIKSEN, 1978. Chemistry of Small Norwegian Lakes, With Special Reference to Acid Precipitation. Limnology Oceanography 23(3): p. 487-498.

406 WRIGHT, R.F., E. SNEKVIK, 1978. Acid precipitation: Chemistry and fish populations in 100 lakes in southernmost Norway. International association of theoretical & applied limnology, 20: p. 765-775.

296 WRIGHT, R.F., T. DALE, A. HENRIKSEN, G.R. HENDREY, E.T. GJESSING, M. JOHANNESSEN, C. LYSHOLM, E. STOREN, 1977. Regional Surveys of small Norwegian lakes October 1974, March 1975, March 1976, and March 1977. SNSF-Project, IR 33/77, Oslo: 467 p.

160 YAN, N.D., P.M. STOKES, 1976. The Effect of pH on Lake Water Chemistry and Phytoplankton in a La Cloche Mountain Lake. Water Pollution Research Canada 11: p. 127-137.

424 YAN, N.D., R.E. GIRARD, C.J. LAFRANCE, 1979. Survival of Rainbow Trout, Salmo Gairdneri, in submerged Enclosures in Lakes Treated with Neutralizing Agents near Sudbury, Ontario, Ontario Ministry of the Environment: 26 p.

549 YAN, N.D., 1979. Phytoplankton Community of an Acidified, Heavy Metal - Contaminated Lake near Sudbury, Ontario: 1973-1977. Water, Air and Soil Pollution 11: p. 43-55.

449 YAN, N.D., R. STRUS, 1980. Crustacean Zooplankton Communities of Acidic, Metal - Contaminated Lakes Near Sudbury, Ontario. Can. J. Fish. Aquat. Sci., 37: p. 2282-2293.

703 ZIMMERMAN, A.P., H.H. HARVEY, 1979. Sensitivity to acidification of waters of Ontario and neighboring states. University of Toronto for Ontario Hydro. 136 p.

704 ZIMMERMAN, A.P., 1982. Sensitivity to Acidification of Waters of Ontario and Neighboring States II: An Analysis of Data Set Variance and Prediction of Acid Sensitive Lake Areas. Dept. of Zoology, University of Toronto for Ontario Hydro. 109 p.

3.3 Bassins jaugés

336 AZZARIA, L.M., P.J. GELINAS, R. ROBITAILLE, J.F. WILHEMLY, 1982. Etude géologique et hydrogéologique du lac Laflamme, Parc des Laurentides, Québec. Environnement Canada, Direction générale des eaux intérieures, 95 p.

259 BEAMISH, R.J., 1974. Loss of Fish Populations from Unexploited Remote Lakes in Ontario, Canada as a Consequence of Atmospheric Fallout of Acid. Water Research 8: p. 85-95.

426 BERNIER, P., R. ROBITAILLE, 1982. Etude hydrogéologique du bassin versant du lac Laflamme. Rapport préliminaire, Environnement Canada, Direction générale des eaux intérieures, Québec. 174 p.

732 BERNIER, P., F. PADILLA, M. DESSUREAULT, P. GELINAS, L.M. AZZARIA, 1983. Etude hydrogéologique et hydrogéochimique du bassin versant du lac Laflamme campagne de 1982. Université Laval, Département de géologie et Environnement Canada, Direction générale des eaux intérieures, région du Québec, rapport préliminaire. 269 p.

473 BOOTY, W., 1980. Watershed Acidification Model. In: Environmental Geochemistry Report, McMaster University: 35 p.

552 CANADA. ENVIRONNEMENT CANADA, 1981. Le bassin jaugé du lac Laflamme. Synthèse des travaux. Direction générale des eaux intérieures, Région du Québec: 8 p.

728 CANADA. ENVIRONNEMENT CANADA, 1982. Le bassin jaugé du lac Laflamme. Synthèse des travaux. Direction gérérale des eaux intérieures, région du Québec. (Préliminaire).

634 DON, F.H., 1981. Operational plan for Turkey lakes forest watershed program 1981-82. National Water Research Institute, 23 p.

402 ELECTRIC POWER RESEARCH INSTITUTE, 1981. The Integrated Lake - Watershed Acidification Study (ILWAS): Contribution to the International Conference on the Ecological Impact of Acid Precipitation. EPRI-EA-1825, California. 87 p.

155 GJESSING, E.T., A. HENRIKSEN, M. JOHANNESSEN, R. WRIGHT, 1976. Effects of Acid Precipitation on Freshwater Chemistry. In: Impact of Acid Precipitation on Forest and Freshwater Ecosystems in Norway. Braekke, F.(Ed). Research Report 6/76, p. 65-85.

544 HALL, R.J., G.E. LIKENS, S.B. FIANCE, G.R. HENDREY, 1980. Experimental Acidification of a stream in the hubbard brook experimental forest. New Hampshire Ecology 61(4): p. 976-989.

196 HALL, R.J., G.E. LIKENS, 1981. Chemical flux in an acid-stressed stream. Nature 292(5821): p. 329-331.

668 HENRIKSEN, A., R.F. WRIGHT, 1977. Effects of acid precipitation on a small acid lake in southern Norway. Nordic Hydrology 8: p. 1-10.

435 HORNBECK, J.W., G.E. LIKENS, 1974. The ecosystem concept for determining the importance of chemmical composition of snow, in: Advanced Concepts and Techniques in the Study of Snow and Ice Resources, National Academy of Sciences, Washington, D.C.: p. 139-151.

582 JOHANNES, A.H., R.A. GOLDSTEIN, C.W. CHEN, 1981. A watershed approach the EPRI integrated lake watershed acidification study (ILWAS). Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 7 p.

415 KEREKES, J., 1973. Aquatic Resources Inventory Kejimkujik National Park. Part 5. Chemical Composition of Lake and River Waters. Report for Parks Canada by Canadian Wildlife Service, Eastern Region: 66 p.

271 KEREKES, J.J., 1980. Preliminary Charaterization of three Lake Basins Receiving Acid Precipitation in Nova Scotia.

721 KEREKES, J. (ed), 1982. Kejimkujik calibrated catchments program on the aquatic and terrestrial effects of the long-range transport of air pollutants. Report of the proceedings, November 18, 1981, Atlantic Region LRTAP Monitoring and Effects working Group. 75 p.

690 OGDEN, J.G. III, 1982. Seasonal mass balance of major ions in three small watersheds in a maritime environment. Water, Air and Soil Pollution 17(2): p. 119-130.

720 PERCY, K.E., J.J. KEREKES (eds), 1981. Kejimkujik calibrated catchments program on the aquatic and terrestrial effects of the long-range transport of air pollutants for 1980-81. 48 p.

384 PLAMONDON, A., 1981. Etude hydrologique du bassin du lac Laflamme forêt Montmorency, Québec, en relation avec le programme d'étude d'impact des pluies acides sur l'environnement forestier. Environnement Canada, Direction des eaux intérieures, Québec. 239 p.

389 PLAMONDON, A., 1982. La précipitation moyenne sur le bassin du lac Laflamme - forêt Montmorency, Québec. Environnement Canada, Direction des eaux intérieures, Québec. 28 p.

396 PLAMONDON, A., M. PREVOST, 1982. Distribution spatiale de la neige et de la fonte, Lac Laflamme - Forêt Montmorency, Québec. Environnement Canada, Direction des eaux intérieures, Québec, 36 p.

386 ROBITAILLE, R., J.-F. WILHELMY, 1981. Etude sismique du bassin versant du lac Laflamme, forêt Montmorency, Québec. Environnement Canada, Direction des eaux intérieures, Québec. 18 p.

272 SCHEIDER, W.A., W.R. SNYDER, B. CLARK, 1979. Deposition of nutrients and major ions by precipitation in south-central Ontario. Water, Air and Soil Pollution 12: p. 171-185.

278 SCHINDLER, D.W., R.W. NEWBURY, K.G. BEATY, P. CAMPBELL, 1976. Natural Water and Chemical Budgets for a Small Precambrian Lake Basin in Central Canada. J. Fish. Res. Board Can. 33: p. 2526-2543.

444 SEIP, H.M., A. TOLLAN, 1978. Acid Precipitation and other possible sources for acidification of rivers and lakes. The Science of the Total Environment, 10: p. 253-270.

393 SKARTVEIT, A., Y.T. GJESSING, 1979. Chemical Budgets and Chemical Quality of Snow and Runoff During Spring Snowmelt. Nordic Hydrology, 10(2/3): p. 141-154.

628 TOKOS, J., 1981. Water analysis methods at the integrated lake watershed acidification study laboratory. Raquette Lake, N.Y. Report no BNL-51396, from Energy Res. Restr., 6(22): 1 microfiche.

3.4 Sédiments

241 ADAMSKI, J.M., M.F.P. MICHALSKI, 1975. Reclamation of acidified lakes-Middle and Lohi, Sudbury, Ontario. Verhandlungen, Internationale Vereinigung fur Theoretische und Angewandte Limnologie 19: p. 1971-1983.

102 BROWN, D.J.A., K. SADLER, 1981. The chemistry and fishery status of acid lakes in Norway and their relationship to european sulphur emissions. Journal of Applied Ecology 18: p. 433-441.

526 DAVIS, A.O., J.N. GALLOWAY, D.K. NORDSTROM, 1982. Lake acidification: Its effect on lead in the sediment of two Adirondack lakes. Limnol. Oceanogr., 27(1): p. 163-167.

563 DEL PRETE, A., C. SCHOFIELD, 1981. The utility of diatom analyses of lake sediments for evaluating acid precipitation effects on dilute lakes. Arch. Hydrobiol., 91(3): p. 332-340.

679 DePINTO, J.V., R.F. GURNIAK, R.S. HOWELL, J.K. EDZWALD, 1980. Use of microcosms to evaluate acid lake recovery techniques. Giesy, J.P. (ed). DOE Symposium Series, Vol. 52. Microcosms in Ecological Research; Papers from a Symposium, Augusta, U.S.A. Nov. 8-10, 1978. p. 562-582.

610 GROTERUD, O., 1981. The dynamics of acidification from a new view elucidated by studies in a lake area in Norway. Verh. Internat. Verein. Limnol., 21: p. 406-411.

215 HEIT, M., Y. TAN, C. KLUSEK, J.C. BURKE, 1981. Anthropogenic trace elements and polycyclic aromatic hydrocarbon levels in sediment cores from two lakes in the Adirondack acid lake region. Water, Air and Soil Pollution 15(4): 441-464.

320 KRAMER, J.R., 1976. Geochemical and lithological factors in acid precipitation. USDA Forest Service Gen. Tech. Rep NE-23: p. 611-618.

340 MAHARA, Y., A. KUDO, 1981. Interaction and mobility of cobalt-60 between water and sediments in marine environments possible effects by acid rain. Water Research 15(4): p. 413-419.

640 MITCHELL, M.J., D.H. LANDERS, D.F. BRODOWSKI, 1981. Sulfur constituents of sediments and their relationship to lake acidification. Water, Air and Soil Pollution, 16(3): p. 351-359.

231 OUELLET, Marcel, 1980. Long-Range Atmospheric Transport of Heavy Metals in Quebec as Revealed by Paleo-limnological Studies of Lake Sediments. I.N.R.S.-Eau, 9 p.

419 OUELLET, M., 1980. Quelques aspects paléolimnologiques des sédiments les plus récents du lac Laflamme (Parc des Laurentides, Québec) en fonction du transport atmosphérique de substances polluantes. Rapport scientifique no 132, rédigé pour Environnement Canada: 76 p.

232 OUELLET, M., M. DICKMAN, 1980. The Impact of Lake Acidification as Reflected by the Fossil Microbiota of Lac Laflamme, Québec: 6 p.

129 OUELLET, M., H.G. JONES, 1981. Indices paléolimnologiques de l'acidification des eaux lacustres. Rapport d'activités pour la période d'avril 1980 à mars 1981. Présenté au Ministère de l'Environnement du Québec. 36 p.

179 RENBERG, I., T. HELLBERG, 1982. The pH History of lakes in Southwestern Sweden, as calculated from the subfossil diatom flora of the sediments. Ambio 11(1): p. 30-33.

3.5 Capacité tampon et sensibilité du milieu

283 AUCLAIR, J.C., M. BISSON, M. LACHANCE, 1982. Etude des variations de l'alcalinité des lacs de tête de la région de Québec. INRS-Eau, rapport scientifique no 139. 51 p.

128 BOBEE, B., Y. GRIMARD, M. LACHANCE, A. TESSIER, 1982. Nature et étendue de l'acidification des lacs du Québec. INRS-Eau, rapport scientifique no 140, pour le ministère de l'Environnement du Québec, Service de la qualité des eaux. 243 p.

132 CLAIR, T.A., D.R. EMGSTROM, 1982. Sensitivity of Surface Waters of Newfoundland and Labrador to Acid Precipitation. Water Quality Branch, Environment Canada, Moncton, N.B.

437 COKER, W.B., W.W. SHILTS, 1979. Lacustrine geochemistry around the north shore of lake Superior: Implications for evaluation of the effects of acid precipitation. In: Current Research, Part C, Geological Survey of Canada, Paper 79-1C: p. 1-15.

73 CONROY, N., D.S. JEFFRIES, J.R. KRAMER, 1974. Acid Shield Lakes in the Sudbury Ontario Region. Water Pollution Research in Canada Proc. 9th Canadian Symp. 9: p. 45-61.

130 COWELL, D.W., A.E. LUCAS, C.D.A. RUBEC, 1981. Etablissement d'une échelle de vulnérabilité écologique aux précipitations acides. Etude d'impact. Document de travail no. 10, Direction générale des terres. Environnement Canada. 44 p.

679 DePINTO, J.V., R.F. GUMINIAK, R.S. HOWELL, J.K. EDZWALD, 1980. Use of microcosms to evaluate acid lake recovery techniques. Giesy, J.P. (ed). DOE Symposium Series, Vol. 52. Microcosms in Ecological Research; Papers from a Symposium, Augusta, U.S.A. Nov. 8-10, 1978. p. 562-582.

603 DILLON, P.J., D.S. JEFFRIES, W. SNYDER, R. REID, N.D. YAN, ET AL, 1978. Acidic Precipitation in South-Central Ontario: Recent Observations. Journal Fisheries Research Board of Canada 35: p. 809-815.

292 DOVLAND, H., A. SEMB, 1978. Deposition and runoff of sulphate in the Tovdal river. A study of the mass balance for September 1974 - August 1976, SNSF-Project, rapport IR 38/78, Oslo: 22 p.

443 GLASS, N.B., D.E. ARNOLD, J.N. GALLOWAY, G.R. HENDREY, J.J. LEE, W.W. McFEE, S.A. NORTON, C.F. POWERS, D.L. RAMBO, C.L. SCHOFIELD, 1982. Effects of acid precipitation. Environmental Science and Technology, 16(3): p. 162A - 169A.

557 GRIMARD, Y., 1981. Contribution à l'étude de la vulnérabilité des eaux lacustres québécoises face à l'acidification des précipitations. 81-6. Ministère de l'environnement, Service de la qualité des eaux, Québec: 38 p.

674 HENDREY, G.R., J.N. GALLOWAY, S.A. NORTON, C.L. SCHOFIELD, P.W. SHAFFER, D.A. BURNS, 1980. Geological and hydrochemical sensitivity of the eastern United States to acid precipitation. Brookhaven National Laboratory; Upton, N.Y.; U.S. Environmental Protection Agency, EPA-600/3-80-024. 90 p.

1 HENRIKSEN, A., 1979. A simple Approach for Identifying and Measuring Acidification of Freshwater. Nature, 278.

463 HESSLEIN, Raymond H., 1979. Lake Acidification Potential in the Alberta Oil Sands Environmental Research Program Study Area. Alberta Oil Sands Environmental Research Program: 26 p.

70 JOHNSON, Ncye M., 1979. Acid Rain: Neutralization Within the Hubbard Brook Ecosystem and Regional Implications. Science 204 (4392): p. 497-499.

107 KAPLAN, E., H.C. THODE JR., A. PROTAS, 1981. Rocks, Soils, and Water Quality. Relationships and Implications for Effects of Acid Precipitation on Surface Water in the Northeastern United States. Environ. Sci. Technol. 15(5): p. 539-544.

320 KRAMER, J.R., 1976. Geochemical and lithological factors in acid precipitation. USDA Forest Service Gen. Tech. Rep NE-23: p. 611-618.

452 KRAMER, J.R., W.G. BOOTY, S. STROES, 1981. Acid neutralizing capacity of line soil fractions. In: Atmospheric pollutants in natural waters, Ann Arbor Science Publishers, Michigan: p. 327-337. ISBN 0-250-40369-2.

493 KRAMER, J.R., 1981. Calcite Saturation Index, Alkalinity and Alkalinity Corrections to Previous Data. Environmental Geochemistry Report. McMaster University, Department of Geology: 7 p.

12 MALMER, Nils, 1976. Acid Precipitation: Chemical Changes in the Soil. Ambio 5(5-6): p. 231-234.

98 McFEE, W.W., J.M. KELLY, 1977. Air pollution: Impact on soils. Proc. of the 32nd Annual meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 203-207.

459 McFEE, William W., 1980. Sensitivity of Soil Regions to Acid Precipitation, EPA-600/3 80-013, Corvallis Environmental Research Laboratory: 178 p.

436 ROSENQVIST, Th., 1978. Alternative Sources for Acidification of River Water in Norway. The Science of the Total Environment, 10: p. 39-49.

619 RUBEC, C.D.A., 1981. Les caractéristiques des écosystèmes terrestres par les précipitations acides au Canada. Document de travail no 19. Environnement Canada, Direction générale des terres. 32 p.

94 SYLVESTRE, A., 1981. Interprétation des données physico-chimiques de 24 lacs du Sud du Québec étudiés dans le cadre du programme des précipitations acides du service canadien de la faune. Environnement Canada, Service canadien de la faune, Région du Québec. 110 p.

2 THOMPSON, Mary E., 1979. Acidic Atmospheric Precipitation: Evaluation of its Impact on Some Canadian Surface Waters. National Water Research Institute: 14 p.

496 THOMPSON, M.E., F.C. ELDER, A.R. DAVIS, S. WHITLOW, 1980. Evidence of Acidification of Rivers of Eastern Canada. National Water Research Institute, Burlington, Ont.

464 THOMPSON, M.E., 1981. The Cation Denudation Rate as a Quantitative Index of Vulnerability of Aquatic Systems to Acid Precipitation. National Water Research Institute, Burlington, Ontario: 12 p.

530 THOMPSON, M.E., 1981. The cation denudation rate as a quantitative index of sensitivity of eastern canadian rivers to acidic atmospheric precipitation. National Water Research Institute, Burlington, Ontario: 20 p.

304 WRIGHT, R.F., C. LYSHOLM, 1975. Regional survey of lakes in southern Norway, fall 1974. Preliminary analysis of water-chemistry data, SNSF Project, Rapport IR 6/75, Oslo: 24 p.

72 WRIGHT, R.F., Arne HENRIKSEN, 1978. Chemistry of Small Norwegian Lakes, With Special Reference to Acid Precipitation. Limnology Oceanography 23(3): p. 487-498.

704 ZIMMERMAN, A.P., 1982. Sensitivity to Acidification of Waters of Ontario and Neighboring States II: An Analysis of Data Set Variance and Prediction of Acid Sensitive Lake Areas. Dept. of Zoology, University of Toronto for Ontario Hydro. 109 p.

3.6 Sols et géologie

303 ABRAHAMSEN, G., R. HORNTVEDT, B. TVEITE, 1975. Impacts of acid precipitation on coniferous forest ecosystems. SNSF-Project, Rapport 2/75, Oslo: 15 p.

154 ABRAHAMSEN, G., K. BJOR, R. HORNTVEDT, B. TVEITE, 1976. Effects of Acid Precipitation on Coniferous Forest. In: Impact of Acid Precipitation on Forest and Freshwater Ecosystems in Norway. Braekke, F.(Ed). Research Report 6/76, p. 37-63.

298 ABRAHAMSEN, G., K. BJOR, O. TEIGEN, 1976. Field experiments with simulated acid rain in forest ecosystems. SNSF-Project, Rapport 4/76, Oslo: 15 p.

458 ARNOLD D.E., R.W. LIGHT, V.J. DYMOND, 1980. Probable Effects of Acid Precipitation on Pennsylvania Waters. EPA-600/3 80-012, Corvallis Environmental Research Laboratory: 20 p.

198 BAKER, J., D. HOCKING, M. NYBORG, 1977. Acidity of Open and Intercepted Precipitation in Forests and Effects on Forest Soils in Alberta, Canada. Water, Air and Soil Pollution 7: 449-460.

339 BRYANT, R.D., E.A. GORDY, E.J. LAISHLEY, 1979. Effect of Soil Acidification on the Soil Microflora. Water, Air and Soil Pollution 11 (4): p. 437-445.

360 BUDD, W.W., A.H., JOHNSON, J.B. HUSS, R.S. TURNER, 1981. Aluminum in Precipitation, Streams, and Shallow Groundwater in the New Jersey Pine Barrens. Water Resources Research 17(4): p. 1179-1183.

132 CLAIR, T.A., D.R. ENGSTROM, 1982. Sensitivity of Surface Waters of Newfoundland and Labrador to Acid Precipitation. Water Quality Branch, Environment Canada, Moncton, N.B.

137 CLAIR, T.A., J.P. WITTEMAN, S.H. WHITLOW, 1982. Acid Precipitation Sensitivity of Canada's Atlantic Provinces. Inland Waters Directorate Technical Bulletin no 124, Environment Canada, Ottawa.

437 COKER, W.B., W.W. SHILTS, 1979. Lacustrine geochemistry around the north shore of lake Superior: Implications for evaluation of the effects of acid precipitation. In: Current Research, Part C, Geological Survey of Canada, Paper 79-1C: p. 1-15.

152 CONROY, N., L. MAKI, 1974. Extensive and Intensive Lake Studies in the Sudbury Area. Ontario Industrial Waste Conference: p. 138-143.

130 COWELL, D.W., A.E. LUCAS, C.D.A. RUBEC, 1981. Etablissement d'une échelle de vulnérabilité écologique aux précipitations acides. Etude d'impact. Document de travail no. 10, Direction générale des terres. Environnement Canada. 44 p.

742 CHRISTOPHERSEN, N., H.M. SEIP, C. QVENILD, O. TOLLAN, 1982. Sodium mobility in a mini-catchment studied with radioactive tracers and artificial precipitation. Nordic Hydrology 13: p. 105-114.

743 CHRISTOPHERSEN, N., A.O. STUANES, R.F. WRIGHT, 1982. Runoff Chemistry at a Mini-Catchment Watered with "Unpolluted Precipitation". Nordic Hydrology 13: p. 115-128.

371 DOBRZANSKI, B., J. WONDRAUSCH, 1953. Soluble Aluminium in Soils of the Flish Area, (Résumé en anglais). Ann. Univ. M. Curie Sklodowska, 8 (8): p. 263-281.

207 ERIKSSON, E., 1981. Aluminium in Groundwater Possible Solution Equilibria. Nordic Hydrology 12(1): p. 43-50.

514 FRINK, C.R., G.K. VOIGT, 1976. Potential Effects of Acid Precipitation on Soils in the Humid Temperate Zone. In: Proceedings of the First International Symposium on Acid Precipitation and the Forest Ecosystem. USDA Forest Service Tech. Rept. NE23: p. 685-709.

724 GAMACHE, D., 1982. Géologie, géomorphologie et végétation forestière de 22 bassins hydrologiques du Parc national de la Mauricie. Direction générale des eaux intérieures, région du Québec. 96 p.

443 GLASS, N.B., D.E. ARNOLD, J.N. GALLOWAY, G.R. HENDREY, J.J. LEE, W.W. McFEE, S.A. NORTON, C.F. POWERS, D.L. RAMBO, C.L. SCHOFIELD, 1982. Effects of acid precipitation. Environnemental Science and Technology, 16(3): p. 162A - 169A.

610 GROTERUD, O., 1981. The dynamics of acidification from a new view elucidated by studies in a lake area in Norway. Verh. Internat. Verein. Limnol., 21: p. 406-411.

575 HAGVAR, S., T. AMUNDSEN, 1981. Effects of liming and artificial acid rain on the mite (Acari) fauna in coniferous forest. Oikos, 37(1): p. 7-20.

305 HOVLAND, Jon, Yehia Zaki ISHAC, 1975. Effects of Simulated Acid Precipitation and Liming on Nitrification in Forest Soil. SNSF-Project, Rapport IR 14/75, Oslo: 15 p.

206 HULTBERG, H., S. JOHANSSON, 1981. Acid Groundwater. Nordic Hydrology 12(1): p. 51-64.

580 HUTCHINSON, T.C., 1981. The ecological consequences of acid discharges from industrial smelters. Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 13 p.

97 JEFFRIES, D.S., C.M. COX, P.J. DILLON, 1979. Depression of pH in Lakes and Streams in Central Ontario during Snowmelt. Journal of the Fisheries Research Board of Canada 36 (6): p. 640-646.

194 JOHNSON, D.W., D.W. COLE, 1977. Sulfate Mobility in an Outwash Soil in Western Washington. Water, Air and Soil Pollution 7: p. 489-495.

140 JOHNSON, D.W., 1981. The natural acidity of some unpolluted waters in southeastern Alaska and potential impacts of acid rain. Water, Air and Soil Pollution 16(2): p. 243-252.

559 JOHNSON, N.M., C.T. DRISCOLL, J.S. EATON, G.E. LIKENS, W.H. McDOWELL, 1981. "Acid rain", dissolved aluminum and chemical weathering at the Hubbard Brook Experimental Forest, NewHampshire. Geochimica et Cosmochimica Acta, 45(9): p. 1421-1437.

107 KAPLAN, E., H.C. THODE JR., A. PROTAS, 1981. Rocks, Soils, and Water Quality. Relationships and Implications for Effects of Acid Precipitation on Surface Water in the Northeastern United States. Environ. Sci. Technol. 15(5): p. 539-544.

465 KILLHAM, K., M. WAINWRIGHT, 1981. Deciduous leaf litter and cellulose decomposition in soil exposed to heavy atmospheric pollution. Environmental Pollution, 26(1): p. 79-85.

320 KRAMER, J.R., 1976. Geochemical and lithological factors in acid precipitation. USDA Forest Service Gen. Tech. Rep NE-23: p. 611-618.

452 KRAMER, J.R., W.G. BOOTY, S. STROES, 1981. Acid neutralizing capacity of line soil fractions. In: Atmospheric pollutants in natural waters, Ann Arbor Science Publishers, Michigan: p. 327-337. ISBN 0-250-40369-2.

460 LEE, J.J., D.E. WEBER, 1980. Effects of Sulfuric Acid Rain on two Model Hardwood Forests: Throughfall, Litter Leachate, and Soil Solution, EPA-600/3-80-014, Corvallis Environmental Research Laboratory: 38 p.

740 LEE, J.J., D.E. WEBER, 1982. Effects of sulfuric acid rain on major cation and sulfate concentrations of water percolating through two model hardwood forests. J. Environ. Qual., 11(1): p. 57-64.

302 LUNDE, G., J. GETHER, N. GJOS, M.S. LANDE, 1976. Organic micropollutants in precipitation in Norway. SNSF-Project, Rapport 9/76, Oslo: 17 p.

725 MAGNAN, P., 1982. Etude de la sensibilité aux précipitations acides de 22 lacs du Parc national de la Mauricie. Environnement Canada, Direction générale des eaux intérieures, région du Québec. 44 p.

447 MALMER, Nils, 1974. On the Effects on Water, Soil and Vegetation of an Increasing Atmospheric Supply of Sulphur. National Swedish Environment Protection Board, SNV-PM-402E, 98 p. Stockholm.

12 MALMER, Nils, 1976. Acid Precipitation: Chemical Changes in the Soil. Ambio 5(5-6): p. 231-234.

248 MAYER, R., B. ULRICH, 1977. Acidity of precipitation as influenced by the filtering of atmospheric sulphur and nitrogen compounds - its role in the element balance and effect on soil. Water, Air and Soil Pollution 7(3): p. 409-416.

666 McFEE, W.W., J.M. KELLY, R.H. BECK, 1977. Acid precipitation effects on soil pH and base saturation of exchange sites. Water, Air and Soil Pollution 7: p. 401-408.

98 McFEE, W.W., J.M. KELLY, 1977. Air pollution: Impact on soils. Proc. of the 32nd Annual meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 203-207.

538 McLEAN, R.A.N., 1981. The relative contributions of sulfuric and nitric acids in acid rain to the acidification of the ecosystem. Implications for Control Strategies. Environmental Sciences Group. Domtar Research Centre, Senneville: 10 p.

247 NORTON, S.A., 1977. Changes in chemical processes in soils caused by acid precipitation. Water, Air and Soil Pollution 7(3): p. 389-400.

197 NYBORG, M., J. CREPIN, D. HOCKING, J. BAKER, 1977. Effect of Sulphur Dioxide on Precipitation and on the Sulphur Content and Acidity of Soils in Alberta, Canada. Water, Air and Soil Pollution 7: p. 439-448.

92 ODEN, S., 1972. The extent and effects of atmospheric pollution on soils. FAO Soils Bull. 16: p. 179-194.

423 ODEN, S., T. AHL, 1973. The Acidification of Scandinavian Waters. Fisheries Research Board of Canada, Translation Series no 2535: 32 p.

592 ODEN, Svante, 1976. The acidity Problem -An Outline of Concepts. Water, Air, and Soil Pollution 6: p. 137-166.

706 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1981. Acidic precipitation in Ontario study, An Annoted bibliography, Terrestrial effects of acidic precipitation. APIOS report no. 003/81. 181 p.

212 OVERREIN, L.N., 1972. Sulphur Pollution Patterns Observed; Leaching of Calcium in Forest Soil Determined. Ambio 1: p. 145-147.

474 PANKO, A.W., 1980. Mercury uptake by Fish in Acidified Lake Ecosystems, in: Environmental Geochemistry Repont, McMaster University: 43 p.

754 PETERS, N.E., R.A. SCHROEDER, D.E. TROUTMAN, 1982. Temporal Trends in the Acidity of Precipitation and Surface Waters of New York. United States Geological Survey Water-Supply Paper 2188. 35 p.

31 RASMUSSEN, Karen H., Mansoor TAHERI, Robert L. KABEL, 1975. Global Emission and Natural Processes for Removal of Gaseous Pollutants. Water, Air and Soil Pollution 4: p. 33-64.

187 REUSS, J.O., 1977. Chemical and Biological Relationships Relevant to the Effect of Acid Rainfall on the Soil-Plant System. Water, Air and Soil Pollution 7(4): p. 461-478.

691 ROSENQVIST, I.T., 1978. Acid precipitation and other possible sources for acidification of rivers and lakes. The Science of the Total Environment 10(3): p. 271-272.

436 ROSENQVIST, Th., 1978. Alternative Sources for Acidification of River Water in Norway. The Science of the Total Environment, 10: p. 39-49.

619 RUBEC, C.D.A., 1981. Les caractéristiques des écosystèmes terrestres par les précipitations acides au Canada. Document de travail no 19. Environnement Canada, Direction générale des terres. 32 p.

168 SCHEIDER, W.A., D.S. JEFFRIES, P.J. DILLON, 1979. Effects of Acidic Precipitation on Precambrian Freshwaters in Southern Ontario. Journal of great Lakes Research 5 (1): p. 45-51.

444 SEIP, H.M., A. TOLLAN, 1978. Acid Precipitation and other possible sources for acidification of rivers and lakes. The Science of the Total Environment, 10: p. 253-270.

289 SEIP, H.M., G. ABRAHAMSEN, E.T. GJESSING, A. STUANES, 1979. Studies of soil -, precipitation - and run-off chemistry in six small natural plots ("mini-catchments"). SNSF-Project, Rapport IR 46/79, Oslo: 62 p.

618 SHRINER, D.S., 1980. Terrestrial vegetation air pollutant interactions: nongazeous pollutants, wet deposition. Proceedings of International Conference on air pollutants and their effects on terrestrial ecosystems. Banff, Alberta, May 10-17.

457 SPOSITO G., A.L. PAGE, M.E. FRINK, 1980. Effects of Acid Precipitation on Soil Leachate Quality: Computer Calculations, EPA-600/3 80-015, Corvallis Environmental Research Laboratory: 38 p.

636 STRAYER, R.F., M. ALEXANDER, 1981. Effects of simulated acid rain on glucose mineralization and some physicochemical properties of forest soils. Journal of Environmental Quality, 10(4): p. 460-465.

64 STRAYER, R.F., C.J. LIN, M. ALEXANDER, 1981. Effect of simulated acid rain on nitrification and nitrogen mineralization in forest soils. J. Environ. Qual., 10(4): p. 547-551.

94 SYLVESTRE, A., 1981. Interprétation des données physico-chimiques de 24 lacs du Sud du Québec étudiés dans le cadre du programme des précipitations acides du service canadien de la faune. Environnement Canada, Service canadien de la faune, Région du Québec. 110 p.

496 THOMPSON, M.E., F.C. ELDER, A.R. DAVIS, S. WHITLOW, 1980. Evidence of Acidification of Rivers of Eastern Canada. National Water Research Institute, Burlington, Ont.

494 TOMLINSON, G.H., 1981. Acid Rain and the Forest - The Effect of Aluminum and the German Experience. Domtar, Centre de recherche Senneville, Québec, project no. 74-7124-13: 22 p.

734 WAINWRIGHT, M., S. SUPHARUNGSUN, K. KILLHAM, 1982. Effect of acid rain on the solubility of heavy metal oxides and fluorspar (CaF_2) added to soil. The Science of the Total Environment 23-34: p. 85-90.

166 WHITBY, L.M., P.M. STOKES, T.C. HUTCHINSON, G. MYSLIK, 1976. Ecological Consequence of Acidic and Heavy-Metal Discharges from the Sudbury Smelters. Canadian Mineralogist 14: p. 47-57.

18 WIKLANDER, Lambert. Leaching and Acidification of Soils. EPRI/ CERL Workshop on effects of acid precipitation, Scotland, 4-7 sept. 1978. p. 5-7.

199 WOOD, T., F.H. BORMANN, 1977. Short-Term Effects of A Simulated Acid Rain upon the Growth and Nutrient Relations of Pinus Strobus, L. Water, Air and Soil Pollution 7: p. 479-488.

304 WRIGHT, R.F., C. LYSHOLM, 1975. Regional survey of lakes in southern Norway, fall 1974. Preliminary analysis of water-chemistry data, SNSF Project, Rapport IR 6/75, Oslo: 24 p.

296 WRIGHT, R.F., T. DALE, A. HENRIKSEN, G.R. HENDREY, E.T. GJESSING, M. JOHANNESSEN, C. LYSHOLM, E. STOREN, 1977. Regional Surveys of small Norwegian lakes October 1974, March 1975, March 1976, and March 1977. SNSF-Project, IR 33/77, Oslo: 467 p.

704 ZIMMERMAN, A.P., 1982. Sensitivity to Acidification of Waters of Ontario and Neighboring States II: An Analysis of Data Set Variance and Prediction of Acid Sensitive Lake Areas. Dept. of Zoology, University of Toronto for Ontario Hydro. 109 p.

3.7 Méthodes et techniques

241 ADAMSKI, J.M., M.F.P. MICHALSKI, 1975. Reclamation of acidified lakes-Middle and Lohi, Sudbury, Ontario. Verhandlungen, Internationale Vereinigung fur Theoretische und Angewandte Limnologie 19: p. 1971-1983.

714 ARP, P.A., S. RAMNARINE, 1982. Modelling and verifying the effects of acid precipitation on soil leachates: a simple approach. In: Comptes rendus du symposium canadien d'hydrologie 1982. Procédés hydrologiques des régions boisées, Fredericton, 14-15 juin 1982, p. 615-635.

388 BARTON, P., T. VATANATHAN, 1976. Kinetics of Limestone Neutralization of Acid Waters. Environmental Science and Technology, 10(3): p. 262-266.

259 BEAMISH, R.J., 1974. Loss of Fish Populations from Unexploited Remote Lakes in Ontario, Canada as a Consequence of Atmospheric Fallout of Acid. Water Research 8: p. 85-95.

170 BENGTSSON, B., W. DICKSON, 1980. Liming Acid Lakes in Sweden. Ambio 9(1): p. 34-36.

573 BLAKE, L.M., 1981. Liming acid ponds in New-York. New-Yord Fish and Game Journal, 28(2): p. 208-214.

128 BOBEE, B., Y. GRIMARD, M. LACHANCE, A. TESSIER, 1982. Nature et étendue de l'acidification des lacs du Québec. INRS-Eau, rapport scientifique no 140, pour le ministère de l'Environnement du Québec, Service de la qualité des eaux. 243 p.

473 BOOTY, W., 1980. Watershed Acidification Model. In: Environmental Geochemistry Report, McMaster University: 35 p.

702 BROUARD, D., M. LACHANCE, G. SHOONER, R. VAN COILLIE, 1982. Sensibilité à l'acidification de quatre rivières à saumons de la Côte-Nord du Saint-Laurent (Québec). Can. Tech. Rep. Fish. Aquat. Sci. 1109F. 56 p.

723 CAMPBELL, P.G.C., M. BISSON, J. BOISVERT, R. BOUGIE, A. TESSIER, J.P. VILLENEUVE, 1982. Méthodologie analytique pour déterminer la spéciation de l'aluminium dans les eaux lacustres en voie d'acidification. INRS-Eau, rapport scientifique no 145 et Environnement Canada, Direction générale des eaux intérieures, région du Québec. 113 p.

727 CANADA. ENVIRONNEMENT CANADA, 1982. Arguments pour la délimitation de l'étendue du réseau TADPA pour les eaux de surface. Direction générale des eaux intérieures, région du Québec. 12 p.

694 CHEN, C.W., M. ASCE, J.D. DEAN, S.A. GHERINI, R.A. GOLDSTEIN, 1982. Acid rain model: Hydrologic module. J. Environ. Eng. Div. (Proc. Am. Soc. Civ. Eng.) 108(EE3): p. 455-472.

145 CHRISTOPHERSEN, N., R.F. WRIGHT, 1981. Sulfate Budget and a Model for Sulfate Concentrations in Stream Water at Birkenes, a Small Forested Catchment in Southernmost Norway. Water Resources Research 17(2): p. 377-389.

137 CLAIR, T.A., J.P. WITTEMAN, S.H. WHITLOW, 1982. Acid Precipitation Sensitivity of Canada's Atlantic Provinces. Inland Waters Directorate Technical Bulletin no 124, Environment Canada, Ottawa.

73 CONROY, N., D.S. JEFFRIES, J.R. KRAMER, 1974. Acid Shield Lakes in the Sudbury Ontario Region. Water Pollution Research in Canada Proc. 9th Canadian Symp. 9: p. 45-61.

679 DePINTO, J.V., R.F. GUMINIAK, R.S. HOWELL, J.K. EDZWALD, 1980. Use of microcosms to evaluate acid lake recovery techniques. Giesy, J.P. (ed). DOE Symposium Series, Vol. 52. Microcosms in Ecological Research; Papers from a Symposium, Augusta, U.S.A. Nov. 8-10, 1978. p. 562-582.

758 DESILETS, L., 1982. Elaboration d'une méthodologie d'évaluation de l'acidification en milieu lacustre au Québec. Essai présenté à l'Ecole des gradués de l'Université Laval. 128 p.

405 DICKSON, W., 1978. Some effects of the acidification of Swedish lakes. International association of theoretical & applied limnology, 20: p. 851-856.

410 GRAHN, O., H. HULTBERG, 1975. The Neutralizing capacity of 12 different lime products used for pH - adjustment of acid water. Vatten, 2: p. 120-132.

575 HAGVAR, S., T. AMUNDSEN, 1981. Effects of liming and artificial acid rain on the mite (Acari) fauna in coniferous forest. Oikos, 37(1): p. 7-20.

726 HAEMMERLI, J., 1982. Rationalisation du réseau de qualité des eaux de surface (TADPA), Répartition spatiale des paramètres de qualité. Document de travail. Environnement Canada, Direction générale des eaux intérieures, région du Québec. 54 p.

1 HENRIKSEN, A., 1979. A simple Approach for Identifying and Measuring Acidification of Freshwater. Nature, 278.

498 HENRIKSEN, A., 1980. Acidification of Freshwaters - A Large Scale Titration. Norwegian Institute for Water Research, Norway.

421 HERRICKS, E.E., J. CAIRNS Jr, 1977. The Effects of Lime Neutralization of Acid Mine Drainage on Stream Ecology. 32nd Industrial Waste Conference, Purdue Univ.: p. 477-486.

463 HESSLEIN, Raymond H., 1979. Lake Acidification Potential in the Alberta Oil Sands Environmental Research Program Study Area. Alberta Oil Sands Environmental Research Program: 26 p.

206 HULTBERG, H., S. JOHANSSON, 1981. Acid Groundwater. Nordic Hydrology 12(1): p. 51-64.

140 JOHNSON, D.W., 1981. The natural acidity of some unpolluted waters in southeastern Alaska and potential impacts of acid rain. Water, Air and Soil Pollution 16(2): p. 243-252.

107 KAPLAN, E., H.C. THODE JR., A. PROTAS, 1981. Rocks, Soils, and Water Quality. Relationships and Implications for Effects of Acid Precipitation on Surface Water in the Northeastern United States. Environ. Sci. Technol. 15(5): p. 539-544.

532 KEREKES, J., G. HOWELL, S. BEAUCHAMP, T. POLLOCK, 1981. The Response of three Lake Basins to Acid Precipitation in Central Nova Scotia between June, 1979, and May, 1980: 14 p.

320 KRAMER, J.R., 1976. Geochemical and lithological factors in acid precipitation. USDA Forest Service Gen. Tech. Rep NE-23: p. 611-618.

493 KRAMER, J.R., 1981. Calcite Saturation Index, Alkalinity and Alkalinity Corrections to Previous Data. Environmental Geochemistry Report. McMaster University, Department of Geology: 7 p.

688 KRAMER, J., A. TESSIER, 1982. Acidification of aquatic systems: a critique of chemical approaches. Dept. of Geology, Mc Master University, Ont. 30 p.

725 MAGNAN, P., 1982. Etude de la sensibilité aux précipitations acides de 22 lacs du Parc national de la Mauricie. Environnement Canada, Direction générale des eaux intérieures, région du Québec. 44 p.

433 MICHALSKI, M.F.P., J. ADAMSKI, 1974. Restoration of Acidified Lakes, Middle and Lohi in the Sudbury Area, in: Ontario Industrial Wastes Conferences: p. 163-175.

52 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1979. Determination of the susceptibility to acidification of poorly buffered surface waters. Limnology and Toxicity Section, Water Resources Branch Ont., Min. of Environment: 22 p.

428 PEARSON, F.H., A.J. McDONNELL, 1975. Limestone Barriers to Neutralize Acidic Streams. Journal of the Environmental Engineering Division, 101(EE3): p. 425-441.

429 PEARSON, F.H., A.J. McDONNELL, 1975. Use of Crushed Limestone to Neutralize Acid Wastes. Journal of the Environmental Engineering Division, 101(EE1): p. 139-158.

555 POWELL, J.J., 1976. Preliminary report on the effects of neutralization on the fish community of Nelson lake, near Sudbury, Ontario. Ministry of Natural Resources, Fish and Wildlife Branch, Sudbury, Ontario: 38 p.

163 RODHE, W., 1981. Reviving Acidified Lakes. Ambio 10(4): p. 195-196.

315 SCHEIDER, W., J. ADAMSKI, M. PAYLOR, 1975. Reclamation of Acidified Lakes near Sudbury, Ontario. Ontario Ministry of the Environment: 129 p.

422 SCHEIDER, W., P.J. DILLON, 1976. Neutralization and fertilization of Acidified lakes near Sudbury, Ontario. Proc. 11th Canadian Symp. Water Poll. Research Canada, 11: p. 93-100.

148 SKARTVEIT, A., 1981. Relationships between Precipitation Chemistry, Hydrology, and Runoff Acidity. Nordic Hydrology, 12(2): p. 65-80.

457 SPOSITO G., A.L. PAGE, M.E. FRINK, 1980. Effects of Acid Precipitation on Soil Leachate Quality: Computer Calculations, EPA-600/3 80-015, Corvallis Environmental Research Laboratory: 38 p.

2 THOMPSON, Mary E., 1979. Acidic Atmospheric Precipitation: Evaluation of its Impact on Some Canadian Surface Waters. National Water Research Institute: 14 p.

497 THOMPSON, M.E., 1980. Acid Rain and Water Chemistry: An Explanation of Henriksen's Empirical Curve. National Water Research Institute, Burlington, Ont.: 3 p.

607 THOMPSON, M.E., E.B. BENNETT, 1980. Variations in the Degree of Acidification of River Waters Observed in Atlantic Canada. National Water Research Institute, Burlington, Ontario: 11 p.

36 THOMPSON, M.E., M.B. HUTTON, 1981. Selected canadian lakes - cations, sulfate pH, PCO_2 relationships. Burlington, National Water Research Institute, 31 p.

464 THOMPSON, M.E., 1981. The Cation Denudation Rate as a Quantitative Index of Vulnerability of Aquatic Systems to Acid Precipitation. National Water Research Institute, Burlington, Ontario: 12 p.

530 THOMPSON, M.E., 1981. The cation denudation rate as a quantitative index of sensitivity of eastern canadian rivers to acidic atmospheric precipitation. National Water Research Institute, Burlington, Ontario: 20 p.

523 THOMPSON, M.E., M.B. HUTTON, 1982. Sulfate in lakes of eastern Canada: calculated atmospheric loads compared with measured wet deposition. National Water Research Institute, Burlington, Ontario. 22 p.

716 UNDERWOOD, J.K., H.H. VAUGHAN, J.G. OGDEN III, C.G. MANN, 1982. Acidification of Nova Scotia lakes II: Ionic balances in dilute waters. Nova Scotia Department of the Environment, Halifax, 21 p.

703 ZIMMERMAN, A.P., H.H. HARVEY, 1979. Sensitivity to acidification of waters of Ontario and neighboring states. University of Toronto for Ontario Hydro. 136 p.

704 ZIMMERMAN, A.P., 1982. Sensitivity to Acidification of Waters of Ontario and Neighboring States II: An Analysis of Data Set Variance and Prediction of Acid Sensitive Lake Areas. Dept. of Zoology, University of Toronto for Ontario Hydro. 109 p.

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Cote

303 ABRAHAMSEN, G., R. HORNTVEDT, B. TVEITE, 1975. Impacts of acid precipitation on coniferous forest ecosystems. SNSF-Project, Rapport 2/75, Oslo: 15 p.

154 ABRAHAMSEN, G., K. BJOR, R. HORNTVEDT, B. TVEITE, 1976. Effects of Acid Precipitation on Coniferous Forest. In: Impact of Acid Precipitation on Forest and Freshwater Ecosystems in Norway. Braekke, F.(Ed). Research Report 6/76, p. 37-63.

298 ABRAHAMSEN, G., K. BJOR, O. TEIGEN, 1976. Field experiments with simulated acid rain in forest ecosystems. SNSF-Project, Rapport 4/76, Oslo: 15 p.

312 ASHENDEN, T.W., 1979. Effects of SO_2 and NO_2 Pollution on Transpiration in Phaseolus Vulgaris L. Environmental Pollution 18(1): p. 45-50.

311 ASHENDEN, T.W., 1979. The Effects of Long-Term Exposures to SO_2 and NO_2 Pollution on the Growth of Dactylis Glomerata L. and Poa Pratensis L.. Environmental Pollution 18(4): p. 249-258.

198 BAKER, J., D. HOCKING, M. NYBORG, 1977. Acidity of Open and Intercepted Precipitation in Forests and Effects on Forest Soils in Alberta, Canada. Water, Air and Soil Pollution 7: 449-460.

161 BOSSAVY, J., 1968. Informations sur les dommages causés par la pollution de l'air aux plantes et aux animaux dans les pays européens. In: Air Pollution, Proceedings of the First European Congress on the Influence of Air Pollution on Plants and Animals, Wageningen, 1969: p. 15-25.

756 COHEN, C.J., L.C. GROTHAUS, S.C. PERRIGAN, 1982. Effects of simulated sulfuric and sulfuric-nitric acid rain on crop plants: Results of 1980 Crop Survey. Agricultural Experiment Station Oregon State University, Corvallis, Special report 670, 92 p.

130 COWELL, D.W., A.E. LUCAS, C.D.A. RUBEC, 1981. Etablissement d'une échelle de vulnérabilité écologique aux précipitations acides. Etude d'impact. Document de travail no. 10, Direction générale des terres. Environnement Canada. 44 p.

120 COWLING, E.B., L.S. DOCHINGER, 1979. Effects of Acid Rain on Crops and Trees American Society for Civil Engineers. ASCE preprint, NO. 3598: p. 21-54.

730 COX, R.M., 1982. Determination of the sensitivity of the pollination processes of different forest flora species to simulated acid rain. Institute for Environmental Studies, University of Toronto. 44 p.

681 EVANS, L.S., N.F. GMUR, F. Da COSTA, 1977. Leaf surface and histological perturbations of leaves of Phaseolus vulgaris and Helianthus annuus after exposure to simulated acid rain. Amer. J. Bot. 64(7): p. 903-913.

683 EVANS, L.S., N.F. GMUR, F. Da COSTA, 1978. Foliar response of six clones of hybrid poplar to simulated acid rain. Phytopathology 68: p. 847-856.

682 EVANS, L.S., T.M. CURRY, 1979. Differential responses of plant foliage to simulated acid rain. Amer. J. Bot. 66(8): p. 953-962.

654 EVANS, L.S., 1979. A plant developmental system to measure the impact of pollutants in rain water. J. Air Pollut. Control Assoc. 29(11): p. 1145-1148.

368 EVANS, L.S., T.M. CURRY, K.F. LEWIN, 1981. Responses of leaves of phaseolus Vulgaris L. to simulated acidic rain. New Phytologist 88(3): p. 403-420.

184 EVANS, L.S., K.F. LEWIN, 1981. Growth, Development and yield responses of pinto beans and soybeans to hydrogen ion concentrations of simulated acidic rain. Environmental and Experimental Botany 21: p. 103-113.

477 EVANS, L.S., K.F. LEWIN, C.A. CONWAY, M.J. PATTI, 1981. Seed yields (quantity and quality) of field-grown soybeans exposed to simulated acidic rain. The New Phytologist, 89(3): p. 459-470.

739 EVANS, L.S., 1982. Biological effects of acidity in precipitation on vegetation: A review. Environmental and Experimental Botany 22(2): p. 155-169.

680 FERENBAUGH, R.W., 1976. Effects of simulated acid rain on Phaseolus vulgaris L. (fabaceae). Amer. J. Bot. 63(3): p. 283-288.

724 GAMACHE, D., 1982. Géologie, géomorphologie et végétation forestière de 22 bassins hydrologiques du Parc national de la Mauricie. Direction générale des eaux intérieures, région du Québec. 96 p.

136 GILBERT, O.L., 1970. Further Studies on the Effect of Sulphur Dioxide on Lickens and Bryophytes. New Phytologist 69: p. 605-627.

673 GLASS, G.E., O.L. LOUCKS, 1980. Impact of airborne pollutants on wilderness areas along the Minnesota - Ontario border. Environmental Research Laboratory; Duluth, MN. U.S. Environmental Protection Agency. EPA-600/3-80-044. 186 p.

38 GORHAM, Eville, and Alan G. GORDON, 1960. The Influence of Smelter Fumes Upon the Chemical Composition of Lake Waters Near Sudbury, Ontario, and Upon Surrounding Vegetation. Canadian Journal of Botany 38: p. 477-487.

310 GRILL, D., H. ESTERBAUER, U. KLOSCH, 1979. Effect of Sulphur Dioxide on Glutathione in Leaves of Plants. Environmental Pollution 19(3): p. 187-194.

575 HAGVAR, S., T. AMUNDSEN, 1981. Effects of liming and artificial acid rain on the mite (Acari) fauna in coniferous forest. Oikos, 37(1): p. 7-20.

57 HAINES, B., M. STEFANI, F. HENDRIX, 1980. Acid Rain: Threshold of leaf damage in eight plant species from a southern Appalachian forest succession. Water, Air, and Soil Pollution 14: p. 403-407.

482 HARRIMAN, R., B.R.S. MORRISON, 1981. Forestry, fisheries and acid rain in Scotland. Scottish Forestry, 35(2): p. 89-95.

652 HARRIMAN, R., B.R.S. MORRISON, 1982. Ecology of streams draining forested and non-forested catchments in an area of central Scotland subject to acid precipitation. Hydrobiologia, 88(3): p. 251-263.

99 HECK, W.W., A.S. HEAGLE, E.B. COWLING, 1977. Air pollution: Impact on plants. Proc. of the 32nd Annual meeting, Soil Conservation Society of America, Aug. 7-10, 1977. p. 193-203.

576 HODGKIN, S.E., D. BRIGGS, 1981. The effect of simulated acid rain on two populations of Senecio vulgaris L. The New Phytologist, 89(4): 687-691.

519 HOFFMAN, Jr., W.A., S.E. LINDBERG, R.R. TURNER, 1980. Precipitation Acidity: The Role of the Forest Canopy in Acid Exchange. J. Environ. Qual. 9(1): p. 95-100.

164 HORNBECK, J.W., G.E. LIKENS, J.S. EATON, 1977. Seasonal Patterns in Acidity of Precipitation and their Implications for Forest Stream Ecosystems. Water, Air and Soil Pollution 7: p. 355-365.

305 HOVLAND, Jon, Yehia Zaki ISHAC, 1975. Effects of Simulated Acid Precipitation and Liming on Nitrification in Forest Soil. SNSF-Project, Rapport IR 14/75, Oslo: 15 p.

178 HOVLAND, J., 1981. The effect of artificial acid rain on respiration and cellulase activity in Norway spruce needle litter. Soil Biol. Biochem. 13(1): p. 23-26.

580 HUTCHINSON, T.C., 1981. The ecological consequences of acid discharges from industrial smelters. Presented at the Conference on the effects of acid precipitation on ecological systems: Great Lakes Region, March 31 - April 3, 1981. Michigan State University, Michigan. 13 p.

637 IRVING, P.M., J.E. MILLER, 1981. Productivity of field-grown soybeans exposed to acid rain and sulphur dioxide alone and in combination. Journal of Environmental Quality, 10(4): p. 473-478.

302 ISHAC, Yehia Zaki, Jon HOVLAND, 1976. Effects of simulated acid precipitation and liming on pine litter decomposition. SNSF-Project, Rapport IR 24/76, Oslo: 20 p.

738 JOHNSON, D.W., J. TURNER, J.M. KELLY, 1982. The effects of acid rain on forest nutrient status. Water Resources Research, 18(3): p. 449-461.

195 JONSSON, B., 1977. Soil Acidification by Atmospheric Pollution and Forest Growth. Water, Air and Soil Pollution 7: p. 497-501.

364 JOURNAULT-DUPONT C., 1979. Etude écologique de la région de Rouyn-Noranda. Conférence sur les contaminants dans l'environnement, Québec, 14-15 mai.

647 KEEVER, G., J.S. JACOBSON, 1981. Acid rain sensitivity in glycine max "Clark" as related to trichome status. Hortscience, 16: p. 414.

317 KEYSER, H.H., D.N. MUNNS, J.S. HOHENBERG, 1979. Acid Tolerance of Rhizobia in Culture and in Symbiosis with Cowpea. Soil Science Society of America Journal 43(4): p. 719-722.

13 KNABE, Wilhelm, 1976. Effects of Sulfur Dioxide on Terrestrial Vegetation. Ambio 5(5-6): p. 213-218.

141 KRAUSE, G.H.M., H. KAISER, 1977. Plant Response to Heavy Metals and Sulphur Dioxide. Environmental Pollution 12: p. 63-71.

313 LAMOREAUX, R.J., W.R. CHANEY, 1978. Photosynthesis and Transpiration of Excised Silver Maple Leaves Exposed to Cadmium and Sulphur Dioxide. Environmental Pollution 17(4): p. 259-268.

460 LEE, J.J., D.E. WEBER, 1980. Effects of Sulfuric Acid Rain on two Model Hardwood Forests: Throughfall, Litter Leachate, and Soil Solution, EPA-600/3-80-014, Corvallis Environmental Research Laboratory: 38 p.

456 LEE, Jeffrey J., G.E. NEELY, S.C. PERRIGAN, 1980. Sulfuric Acid Rain Effects on Crop Yield and Foliar Injury, EPA-600/3-80-016, Corvallis Environmental Research Laboratory: 50 p.

740 LEE, J.J., D.E. WEBER, 1982. Effects of sulfuric acid rain on major cation and sulfate concentrations of water percolating through two model hardwood forests. J. Environ. Qual., 11(1): p. 57-64.

316 LEE, J.L., D.E. WEBER, 1979. The Effect of Simulated Acid Rain on Seedling Emergence and Growth of Eleven Woody Species. Forest Science 25(3): p. 393-398.

200 LINDBERG, S.E., R.C. HARRISS, 1981. The role of atmospheric deposition in an Eastern U.S. deciduous forest. Water Air Soil Pollut. 16(1): p. 13-31.

725 MAGNAN, P., 1982. Etude de la sensibilité aux précipitations acides de 22 lacs du Parc national de la Mauricie. Environnement Canada, Direction générale des eaux intérieures, région du Québec. 44 p.

447 MALMER, Nils, 1974. On the Effects on Water, Soil and Vegetation of an Increasing Atmospheric Supply of Sulphur. National Swedish Environment Protection Board, SNV-PM-402E, 98 p., Stockholm.

248 MAYER, R., B. ULRICH, 1977. Acidity of precipitation as influenced by the filtering of atmospheric sulphur and nitrogen compounds - its role in the element balance and effect on soil. Water, Air and Soil Pollution 7(3): p. 409-416.

617 McLEAN, R.A.N., G.H. TOMLINSON, 1981. Les pluies acides et leurs effets potentiels sur les forêts. Congrès de l'Association Forestière du Québec, 3 octobre 1981. 16 p.

495 McMASTER UNIVERSITY, 1981. Aluminum: Chemistry, Analysis and Biology. Environmental Geochemistry Report: 174 p.

309 MILLER, J.E., P.B. XERIKOS, 1979. Residence Time of Sulphite in SO_2 'Sensitive' and 'Tolerant' Soybean Cultivars. Environmental Pollution 18(4): p. 259-264.

741 MOLLITOR, A.V., D.J. RAYNAL, 1982. Acid precipitation and ionic movements in Adirondack forest soils. Soil Sci. Soc. Am. J. 46(1): p. 137-141.

92 ODEN, S., 1972. The extent and effects of atmospheric pollution on soils. FAO Soils Bull. 16: p. 179-194.

706 ONTARIO. MINISTRY OF THE ENVIRONMENT, 1981. Acidic precipitation in Ontario study, An Annoted bibliography, Terrestrial effects of acidic precipitation. APIOS report no. 003/81. 181 p.

645 PAPAROZZI, E.T., H.B. TUKEY Jr., 1981. The effects of simulated acid rain on leaves of phaseolus vulgaris cultivar red-kidney. Hortscience 16: p. 413.

370 PORTER, J.R., R.P. SHERIDAN, 1981. Inhibition of Nitrogen Fixation in Alfalfa by Arsenate, Heavy Metals, Fluoride, and Simulated Acid Rain. Plant Physiol. 68(1): p. 143-148.

480 RAMBERG, L., 1981. Increase in Stream pH after a Forest Drainage. Ambio 10(1): p. 34-35.

187 REUSS, J.O., 1977. Chemical and Biological Relationships Relevant to the Effect of Acid Rainfall on the Soil-Plant System. Water, Air and Soil Pollution 7(4): p. 461-478.

365 ROBITAILLE, G., 1979. Pollution and the annual rings of Abies balsamea. Conférence sur les contaminants dans l'environnement, Québec, 14-15 mai.

722 ROBITAILLE, G., 1980. Acid Precipitation and Vegetation. Environment Canada, Canadian Forestry Service, Québec. 21 p.

619 RUBEC, C.D.A., 1981. Les caractéristiques des écosystèmes terrestres par les précipitations acides au Canada. Document de travail no 19. Environnement Canada, Direction générale des terres. 32 p.

174 SCHOFIELD, E., W.L. HAMILTON, 1970. Probable Damage to Tundra Biota Through Sulphur Dioxide Destruction of Lichens. Biological Conservation 2(4): p. 278-280.

289 SEIP, H.M., G. ABRAHAMSEN, E.T. GJESSING, A. STUANES, 1979. Studies of soil -, precipitation - and run-off chemistry in six small natural plots ("mini-catchments"). SNSF-Project, Rapport IR 46/79, Oslo: 62 p.

572 SHAW, G.G., 1981. The effect of SO_2 on selenium concentration in Serviceberry. Trans Northeast sect. Wildl. Soc., 38: p. 136-143.

618 SHRINER, D.S., 1980. Terrestrial vegetation air pollutant interactions: nongazeous pollutants, wet deposition. Proceedings of International Conference on air pollutants and their effects on terrestrial ecosystems. Banff, Alberta, May 10-17.

748 SUAREZ, E.L., U.S. JONES, 1982. Atmospheric sulfur as related to acid precipitation and soil fertility. Soil Sci. Soc. AM. J. 46: p. 976-980.

650 SULLIVAN, C.R., 1981. Précipitations acides : aperçu général se référant particulièrement aux répercussions sur les écosystèmes forestiers. 8e atelier annuel, Centre de recherche forestière des Grands Lacs, Sault-Ste-Marie du 3 au 5 juin 1981. 20 p.

11 TAMM, Carl Olof, 1976. Acid Precipitation: Biological Effects in Soil and on Forest Vegetation. Ambio 5(5-6): p. 235-238.

185 TAMM, C.O., E.B. COWLING, 1977. Acidic Precipitation and Forest Vegetation. Water, Air and Soil Pollution 7(4): p. 503-511.

494 TOMLINSON, G.H., 1981. Acid Rain and the Forest - The Effect of Aluminum and the German Experience. Domtar, Centre de recherche Senneville, Québec, projet no. 74-7124-13: 22 p.

487 TRESHOW, M., 1980. Pollution Effects on Plant Distribution. Environmental Conservation 7(4): p. 279-286.

735 TROIANO, J., L. HELLER, J.S. JACOBSON, 1982. Effect of added water and acidity of simulated rain on growth of field-grown radish. Environmental Pollution 29: p. 1-11.

175 VARSHNEY, C.K., J.K. GARG, 1979. Plant Responses to Sulphur Dioxide Pollution. Critical Reviews in Environmental Control 9(1): p. 27-49.

166 WHITBY, L.M., P.M. STOKES, T.C. HUTCHINSON, G. MYSLIK, 1976. Ecological Consequence of Acidic and Heavy-Metal Discharges from the Sudbury Smelters. Canadian Mineralogist 14: p. 47-57.

91 WHITTAKER, R.H., F.H. BORMANN, G.E. LIKENS, T.G. SICCAMA, 1974. The Hubbard Brook Ecosystem Study: Forest Biomass and Production. Ecological Monographs 44(2): p. 233-252.

201 WINNER, W.E., J.D. BEWLEY, 1978. Contrasts Between Bryophyte and Vascular Plant Synecological Responses in an SO_2-Stressed White Spruce Association in Central Alberta. Oecologia 33(3): p. 311-325.

199 WOOD, T., F.H. BORMANN, 1977. Short-Term Effects of A Simulated Acid Rain upon the Growth and Nutrient Relations of Pinus Strobus, L. Water, Air and Soil Pollution 7: p. 479-488.

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